

THOMAS FOWLKES, M.D.  
ESTATE OF MARTIE CLARK v HAMILTON COUNTY

January 29, 2018

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<p style="text-align: right;">Page 1</p> <p>1 IN THE UNITED STATES DISTRICT COURT 2 SOUTHERN DISTRICT OF OHIO 3 WESTERN DIVISION 4 ----- 5 : 6 ESTATE OF MARTIE CLARK, et al., : 7 Plaintiffs, : 8 vs. : CASE NO. 9 HAMILTON COUNTY, et al., : 1:15-cv-00512-MRB 10 Defendants. : 11 ----- 12 13 Deposition of: THOMAS FOWLKES, MD 14 Taken: By the Defendants Pursuant to Notice 15 16 Date: January 29, 2018 17 18 Time: Commencing at 1:39 p.m. 19 20 Place: The Law Offices of Blake R. Maislin, LLC 2260 Francis Lane Cincinnati, Ohio 45206 21 Before: Wendy L. Raymer, RPR, CRR Notary Public - State of Ohio 22 23 24 25</p>	<p style="text-align: right;">Page 3</p> <p>1 APPEARANCES: (CONTINUED) 2 3 Also Present: 4 5 Linda Lou Clark 6 7 - - - 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25</p>
<p style="text-align: right;">Page 2</p> <p>1 APPEARANCES: 2 3 On behalf of the Plaintiffs: 4 Randy A. Byrd, Esq. 5 of The Law Offices of Blake R. Maislin, LLC 2260 Francis Lane Cincinnati, Ohio 45206 6 Phone: (513) 444-4444 Email: rbyrd@maislinlaw.com 7 8 On behalf of the NaphCare Defendants: 9 Carrie M. Starts, Esq. and 10 Robert W. Hojnoski, Esq. of 11 Reminger Co., L.P.A. 525 Vine Street Suite 1700 12 Cincinnati, Ohio 45202 Phone: (513) 721-1311 13 Email: cstarts@reminger.com rhojnoski@reminger.com 14 15 On behalf of the Hamilton County Defendants: 16 Mark C. Vollman, Esq. and 17 James J. Barbieri, Esq. of 18 Office of Hamilton County 230 East Ninth Street Suite 4000 19 Cincinnati, Ohio 45202 Phone: (513) 946-3115 20 Email: mark.vollman@hcpros.org jim.barbieri@hcpros.org 21 22 23 24 25</p>	<p style="text-align: right;">Page 4</p> <p>1 I N D E X 2 3 THOMAS FOWLKES, MD PAGE 4 Examination by Mr. Hojnoski 5 5 6 (No exhibits.) 7 8 - - - 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25</p>



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<p style="text-align: right;">Page 5</p> <p>1 THOMAS FOWLKES, MD</p> <p>2 of lawful age, a witness herein, being first duly</p> <p>3 sworn as hereinafter certified, was examined and</p> <p>4 deposed as follows:</p> <p>5 EXAMINATION</p> <p>6 BY MR. HOJNOSKI:</p> <p>7 Q. Doctor, please state your full name for</p> <p>8 the record, and spell your last name for us.</p> <p>9 A. Thomas Fowlkes, F-o-w-l-k-e-s.</p> <p>10 Q. And, Doctor, what is your current</p> <p>11 profession?</p> <p>12 A. Medical doctor.</p> <p>13 Q. And what states are you licensed in?</p> <p>14 A. Mississippi.</p> <p>15 Q. Any other states?</p> <p>16 A. No.</p> <p>17 Q. Do you have any board certifications?</p> <p>18 A. I do.</p> <p>19 Q. Please identify those for the record, if</p> <p>20 you would?</p> <p>21 A. Emergency medicine and addiction medicine.</p> <p>22 Q. Do you have any specialized training in</p> <p>23 pathology?</p> <p>24 A. I do not.</p> <p>25 Q. What about neuropathology?</p>	<p style="text-align: right;">Page 7</p> <p>1 contractor, I contracted to provide services. So I</p> <p>2 provided all outpatient health care services. So I</p> <p>3 employed the nurses, furnished medications, furnished</p> <p>4 outpatient services.</p> <p>5 Q. From a contract standpoint, how did that</p> <p>6 work? Was it you directly contracting with the</p> <p>7 Lafayette Detention Facility, and then, in turn, you</p> <p>8 contracting with various health care providers in</p> <p>9 other specialties?</p> <p>10 A. Well, I had a -- I have a corporation,</p> <p>11 Thomas Fowlkes, MD, PA, that contracted to provide</p> <p>12 services. Then I directly employed the health care</p> <p>13 workers and contracted out things like dental</p> <p>14 services, but -- and lab services, x-ray services,</p> <p>15 yes, but the -- I was the direct employer of the</p> <p>16 employees.</p> <p>17 Q. Understood. Initially when you said it, I</p> <p>18 thought you had independent contracting relationships</p> <p>19 with others, but you actually had direct employees?</p> <p>20 A. For the nurses, et cetera, yes.</p> <p>21 Q. How many employees did you have under your</p> <p>22 care?</p> <p>23 A. Well, I'm sorry, ask the question again.</p> <p>24 Q. How many employees did you have?</p> <p>25 A. I had one full-time nurse, two part-time</p>
<p style="text-align: right;">Page 6</p> <p>1 A. I do not.</p> <p>2 Q. What about cardiology?</p> <p>3 A. As a portion of emergency medicine.</p> <p>4 Cardiology is a substantial portion of the curriculum</p> <p>5 and training in emergency medicine.</p> <p>6 Q. Have you ever participated in an autopsy?</p> <p>7 A. Have I ever -- I have never done an</p> <p>8 autopsy. I have -- I have served as the assistant</p> <p>9 medical examiner and investigator for my county, and</p> <p>10 that involves participation in multiple autopsies,</p> <p>11 but I do not perform autopsies myself.</p> <p>12 Q. Have you ever had any specialized training</p> <p>13 with respect to the analysis of postmortem tissue</p> <p>14 slides?</p> <p>15 A. No.</p> <p>16 Q. Tell us about your experience with respect</p> <p>17 to correctional health care, correctional medicine.</p> <p>18 A. I have been medical director at the</p> <p>19 Lafayette County, Mississippi Detention Center for</p> <p>20 the last 20 years.</p> <p>21 Q. And if I read your CV correctly, that --</p> <p>22 for a number of years, that was as a contractor to</p> <p>23 that facility, and now you're directly employed. Did</p> <p>24 I read that correctly?</p> <p>25 A. That's right. Not only was I a</p>	<p style="text-align: right;">Page 8</p> <p>1 nurses, a nurse practitioner, a paramedic, during</p> <p>2 some of those periods of time.</p> <p>3 Q. How large is this facility?</p> <p>4 A. It's 175 beds.</p> <p>5 Q. Do you know how that compares to the</p> <p>6 Hamilton County Justice Center?</p> <p>7 A. I believe that the Hamilton County Justice</p> <p>8 Center is more on the order of 1800 to 2,000.</p> <p>9 Q. All right. And as such, there's a</p> <p>10 requirement for a larger staff, you would gather, at</p> <p>11 the Justice Center here in Cincinnati, Ohio?</p> <p>12 A. Yes.</p> <p>13 Q. And that's why I was asking how many</p> <p>14 employees you had. I was trying to get a sense for</p> <p>15 your medical staff and how many bodies you needed to</p> <p>16 provide care to. Plus or minus 175 inmates?</p> <p>17 A. Yes, that's right.</p> <p>18 Q. Are all 175 beds normally filled?</p> <p>19 A. Well, over the years, it's up or down. It</p> <p>20 has been, you know -- right now, I think there are</p> <p>21 about 140. We've had as many as 200. We are a</p> <p>22 federal holding facility; so about half of my</p> <p>23 detainees are federal pretrial detainees.</p> <p>24 Q. With respect to any medical policies or</p> <p>25 health care policies at your facility, are they</p>

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<p style="text-align: right;">Page 9</p> <p>1 created by you?</p> <p>2 A. They are.</p> <p>3 Q. Do you have a policy and procedure manual</p> <p>4 or handbook?</p> <p>5 A. We do.</p> <p>6 Q. And has that changed over the years?</p> <p>7 A. It has not changed in a number of years</p> <p>8 and -- it has not changed in a number of years. In</p> <p>9 fact, I'm beginning a rewrite at this time.</p> <p>10 Q. When did you become directly employed by</p> <p>11 the Lafayette Detention Facility?</p> <p>12 A. Approximately two years ago.</p> <p>13 Q. Was there any reason for that change?</p> <p>14 A. There was tort reform in Mississippi in</p> <p>15 about 2008 giving more governmental immunity to</p> <p>16 physicians who are employed directly by -- who are</p> <p>17 employed directly by governmental entities. And so I</p> <p>18 decided that it would be a better arrangement for me</p> <p>19 to be a direct employee of the county. So I asked</p> <p>20 the county, and they agreed.</p> <p>21 Q. So now you have qualified immunity</p> <p>22 defenses and others that you didn't have when you</p> <p>23 were independently contracted by the facility?</p> <p>24 A. That is correct.</p> <p>25 Q. Have you been sued before?</p>	<p style="text-align: right;">Page 11</p> <p>1 college students who come in, bond out. Then we have</p> <p>2 people who are facing state charges; so they're</p> <p>3 county or state pretrial detainees.</p> <p>4 We do not house people who have</p> <p>5 been convicted -- once they've been convicted, we</p> <p>6 send them to the state prison system. And then we</p> <p>7 have federal pretrial detainees, but that is often a</p> <p>8 two- or three- or four-year process, I mean, often a</p> <p>9 prolonged process to work their way through the</p> <p>10 system.</p> <p>11 Q. And just for my clarification, is that</p> <p>12 just because the federal process takes longer to kind</p> <p>13 of figure out where they're going, or if they're</p> <p>14 going to be convicted of a federal charge?</p> <p>15 A. Right. There have been backlogs -- we're</p> <p>16 actually better now, but there have been backlogs in</p> <p>17 the federal system. So we're -- we will have a</p> <p>18 person detained on a charge they -- if they don't</p> <p>19 bond out, it might be 18 months to two years before</p> <p>20 they either plea or a trial is held.</p> <p>21 And then if they're convicted or if they</p> <p>22 plea, it might be another nine months before the</p> <p>23 probation service completes their pretrial -- I mean,</p> <p>24 sorry, presentencing report. And so then it's a</p> <p>25 while before they're sentenced and then designated</p>
<p style="text-align: right;">Page 10</p> <p>1 A. I have not.</p> <p>2 Q. Have any of your staff been sued before?</p> <p>3 A. No.</p> <p>4 Q. Okay.</p> <p>5 A. There may have been a suit against the</p> <p>6 jail, not really directly related to medical</p> <p>7 services, but nothing -- none of my employees --</p> <p>8 neither me nor any of my employees have been named.</p> <p>9 Q. In the 20 or so years that you've been the</p> <p>10 medical director at the Lafayette County Detention</p> <p>11 Center, have there been any lawsuits filed by inmates</p> <p>12 or estates of inmates that relate to medical care in</p> <p>13 any way?</p> <p>14 A. Not that I'm aware of.</p> <p>15 Q. You said -- well, maybe you can give me a</p> <p>16 percentage. What percentage of the inmates at that</p> <p>17 facility are there merely kind of temporarily as a</p> <p>18 federal inmate, moving on to a federal prison</p> <p>19 presumably?</p> <p>20 A. Well, actually my federal detainees are my</p> <p>21 longest staying people.</p> <p>22 Q. Okay.</p> <p>23 A. So we have a county jail, and so a number</p> <p>24 of people are brought in on county charges. We're a</p> <p>25 college town. We have a number of intoxicated</p>	<p style="text-align: right;">Page 12</p> <p>1 and move on.</p> <p>2 Q. What percentage of the individual that --</p> <p>3 first of all, is it all male or is it mixed?</p> <p>4 A. No, it's mixed.</p> <p>5 Q. Mixed. What percentage of the inmates</p> <p>6 that come to that facility have some sort of</p> <p>7 addiction issue?</p> <p>8 A. I do not know if I could give you a</p> <p>9 specific number, but there are certainly in any -- as</p> <p>10 with any jail, any county jail, a substantial number</p> <p>11 of people with substance abuse issues.</p> <p>12 Q. Is heroin an epidemic where you live, in</p> <p>13 your community?</p> <p>14 A. It has become so, yes.</p> <p>15 Q. And what period of time has it -- have you</p> <p>16 seen more of those cases?</p> <p>17 A. In the last ten years.</p> <p>18 Q. Do you have a specific policy that you've</p> <p>19 put in place with respect to heroin withdrawal or</p> <p>20 detox of inmates that come to your facility?</p> <p>21 A. I do.</p> <p>22 Q. And is that in writing?</p> <p>23 A. The -- my protocols and the flow sheets</p> <p>24 are in writing. I don't believe it's in our --</p> <p>25 actually in our policy and procedure manual. I</p>

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<p style="text-align: right;">Page 13</p> <p>1 I believe it is a worksheet.</p> <p>2 Q. Explain that to me. What's the</p> <p>3 distinction? Do you have a written heroin detox</p> <p>4 procedure at your facility?</p> <p>5 A. I have written instructions to our nurses.</p> <p>6 So I have written instructions to the nurses that is</p> <p>7 not -- I don't know that it has ever been</p> <p>8 incorporated within the policy and procedure manual</p> <p>9 itself, as opposed to written instructions.</p> <p>10 Q. In what format are those written</p> <p>11 instructions? Are they, I mean, on a document that</p> <p>12 has a title? What would we call those, so that we</p> <p>13 can request them after this deposition? How do I</p> <p>14 identify those?</p> <p>15 A. Quite honestly, I don't know. I guess it</p> <p>16 might well be my standing order, my protocol, I guess</p> <p>17 would be the title of the document.</p> <p>18 Q. Well, if I do a public records request to</p> <p>19 the facility that you're the director of, how would I</p> <p>20 identify, by title or otherwise, any and all written</p> <p>21 documents that are in place at that facility with</p> <p>22 respect to heroin detox or withdrawal?</p> <p>23 A. I don't know that you -- I don't know that</p> <p>24 you would. I mean, I have a written -- I've -- I</p> <p>25 have a written protocol for the number of days which</p>	<p style="text-align: right;">Page 15</p> <p>1 EKG services. We have the technical capability -- in</p> <p>2 fact, I think we have IV solutions, but it's not my</p> <p>3 practice to provide IV therapy.</p> <p>4 Q. Okay.</p> <p>5 A. We have a -- so we have a kit. We have an</p> <p>6 emergency -- emergency resuscitation kit, but we do</p> <p>7 not normally provide IV fluids.</p> <p>8 Q. If someone needed an IV, they'd have to go</p> <p>9 out for that?</p> <p>10 A. Yes.</p> <p>11 Q. Do you have a medical unit, a dedicated</p> <p>12 medical unit?</p> <p>13 A. No, we do not.</p> <p>14 Q. So where is medical care provided, in the</p> <p>15 cell, or is there -- in a general, you know, lobby</p> <p>16 area?</p> <p>17 A. We have -- so we have a medical clinic --</p> <p>18 we have a clinic. We have a medical office. We do</p> <p>19 not have beds which are directly designated as</p> <p>20 medical beds. We don't have an infirmary. We don't</p> <p>21 have 24-hour-a-day nursing in our facility either.</p> <p>22 Q. Okay.</p> <p>23 A. So we don't have dedicated medical beds.</p> <p>24 Our reception area, our booking area, contains</p> <p>25 approximately maybe 15 -- approximately 15 cells, and</p>
<p style="text-align: right;">Page 14</p> <p>1 I give buprenorphine, but I don't know that -- I'm</p> <p>2 not even sure where it is at this moment. I don't</p> <p>3 have a specific -- in other words, it's not part of</p> <p>4 our policies and procedures. We don't have policies</p> <p>5 on the individual treatment of disease states.</p> <p>6 Q. For any disease?</p> <p>7 A. No, not for any disease.</p> <p>8 Q. Do you have anything in writing with</p> <p>9 respect to monitoring your inmate's nourishment or</p> <p>10 hydration?</p> <p>11 A. No.</p> <p>12 Q. Tell me the capabilities medically at the</p> <p>13 Lafayette Detention Facility. In other words, what</p> <p>14 can you do there? Can you take an EKG, x-rays, labs?</p> <p>15 Give me some examples.</p> <p>16 A. Okay. We are able to draw labs. We do</p> <p>17 not have in-house lab services. We have a courier</p> <p>18 service, next day lab services. We have x-ray</p> <p>19 service via -- we have x-rays available via a mobile</p> <p>20 x-ray service so that they can be done in-house.</p> <p>21 Q. Okay.</p> <p>22 A. We then have them sent out and processed</p> <p>23 and read by a radiologist.</p> <p>24 Q. Okay.</p> <p>25 A. We do have -- we have an EKG -- we have</p>	<p style="text-align: right;">Page 16</p> <p>1 we keep -- medical inmates with special medical needs</p> <p>2 are housed in one of those booking area cells on a</p> <p>3 longer term basis. So, for instance, that is our --</p> <p>4 suicide watch cells are in the booking area.</p> <p>5 Q. Did I hear you correctly that there is not</p> <p>6 a medical employee, either a nurse or a physician or</p> <p>7 a medic, that is on premises 24 hours a day?</p> <p>8 A. You did hear correctly.</p> <p>9 Q. So what are the hours that someone is</p> <p>10 there? Do you have a nurse come for med pass in the</p> <p>11 morning, afternoon, and evening?</p> <p>12 A. So we have a nurse who -- my primary nurse</p> <p>13 works full time. She doesn't have necessarily set</p> <p>14 hours, but, in general, 8:00 to 5:00. And she is</p> <p>15 also on call 24/7, as I am.</p> <p>16 Q. Okay.</p> <p>17 A. Then we have two part-time positions, one</p> <p>18 an evening part-time nurse and one a weekend</p> <p>19 part-time nurse. Those are actually both filled by</p> <p>20 the same person right now.</p> <p>21 Q. And part time is how many hours?</p> <p>22 A. I don't know exactly. I want to say maybe</p> <p>23 15 to -- 15 hours, perhaps.</p> <p>24 Q. You're full time at the facility, or are</p> <p>25 you just on call?</p>

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<p style="text-align: right;">Page 17</p> <p>1 A. No. It is -- it is one of my jobs; so 2 it's not my only job. 3 Q. Okay. 4 A. And I am on call. I am -- I work 24 hours 5 a day. I mean, I'm on call. I'm responsible for the 6 care delivered 24 hours a day. 7 Q. You're currently in Cincinnati. So who is 8 monitoring or on call in your absence? 9 A. My -- so -- 10 Q. Do you have backup? 11 A. The short answer is yes. I have a nurse 12 practitioner who is on call -- well, I'm sorry, 13 strike -- let me start over with that. 14 My nurse practitioner is normally not on 15 call. She normally holds sick call, and so -- but 16 she and my nurse know when I'm not going to be 17 available for a period of time, and so they're -- 18 they cover for me. And if I'm truly not available, 19 such as out of the country, I have a physician cover 20 for me. 21 Q. And other than your full-time nurse, who 22 you said is roughly 8:00 to 5:00, is that Monday 23 through Friday? 24 A. Yes, but she works a lot. I mean, she 25 works a lot. She's probably there seven days a week.</p>	<p style="text-align: right;">Page 19</p> <p>1 Q. On average? Do you have to keep track of 2 your hours? 3 A. I do not. I couldn't give you an average. 4 Q. You're not paid by the hour? It's a 5 salary position? 6 A. That's correct. 7 Q. And what is your salary as a public 8 official, I assume, public employee? 9 A. I presume so. I believe it's \$25,000. 10 Q. A year? 11 A. Uh-huh. 12 Q. And does that amount of money reflect at 13 least the anticipated number of hours or time that 14 you may be spending at that facility, like if you 15 were to do the math and, you know, on a per hour 16 basis or otherwise? 17 A. I would presume so. 18 Q. Do you know what that equals out to be? 19 A. No. I mean, I don't -- 20 Q. Did you -- 21 A. I'm sorry, you might have to ask the 22 question again. 23 Q. When your salary was set, was -- I assume 24 that there was some basis for how many hours you were 25 expected to be there on a week or, you know, weekly</p>
<p style="text-align: right;">Page 18</p> <p>1 She's on call 24 hours a day. 2 Q. Well, when you say "on call," is that just 3 you're called in for emergencies, or you're there to 4 do, you know, daily rounds? 5 A. I'm sorry, who are you talking -- who are 6 you referring to, the nurse? 7 Q. The nurse, the full-time nurse. 8 A. So -- 9 Q. You said she's on call. What does that 10 mean, that she's on call for emergencies or she's on 11 call for -- 12 A. She is on call for emergencies, but, also, 13 since we don't have a nurse on duty over the night 14 shift. So, for instance, if we -- if they received 15 an inmate in booking, and they're doing the medical 16 screening, and they have a bag full of medicines 17 which the people say they need tonight, then they 18 will call the nurse and ask her what to do, or 19 sometimes, you know, questions about whether the 20 person should be referred out for medical clearance 21 before being accepted, or emergencies, all those 22 things. 23 Q. How many hours do you work in the facility 24 per week? 25 A. I don't have a set schedule.</p>	<p style="text-align: right;">Page 20</p> <p>1 basis, so that you could do the math and figure out 2 what's a reasonable sum of money for a physician of 3 your number of years of experience? 4 A. No, it wasn't arrived that way. 5 Q. Okay. 6 A. And one of the reasons I need to clarify, 7 one of the reasons is that I used to, until 8 approximately two years -- two or three years ago 9 or -- it was before we -- before I became a county 10 employee, the -- I actually held sick call. I was 11 the primary provider of sick call. Somewhere along 12 the way, I have hired a nurse practitioner to do the 13 bulk of the sick call. 14 Q. Okay. 15 A. And so I am not the primary sick call 16 person. So that's why I don't have more set hours. 17 So now my main responsibility is I have something 18 that I call medical director's clinic, where I go and 19 see anyone who is having problems after she has had 20 clinic. And then I stop by there on a -- not every 21 single day, but on a frequent basis to, you know, 22 take care of problems, et cetera, and, in addition to 23 that, be on call. So I don't have a set number of 24 hours. 25 Q. So any sick slip that an inmate has, do</p>



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<p style="text-align: right;">Page 21</p> <p>1 you call those slips anything? Do you call them 2 kites? 3 A. Well, we call them a sick call requests. 4 I think kites -- 5 Q. You've heard -- 6 A. I think kites is a little bit of a -- too 7 much of a slang term, but, yes, some in our facility 8 refer to them as kites. 9 Q. And I only use that word because in other 10 cases, in other depositions, that's what people refer 11 to them as. 12 A. We call them a sick call request. 13 Q. So a sick call request is not something 14 that you're directly responding to. You have a nurse 15 practitioner that does that? 16 A. Yes, or the -- well, the nurse or the 17 nurse practitioner. 18 Q. What's your full-time nurse's name? 19 A. Mary Sellers. 20 Q. Spell that for me, the last name. 21 A. S-e-l-l-e-r-s. 22 Q. Is she an RN? 23 A. Yes. 24 Q. And what's your nurse practitioner's name? 25 A. Courtney, and I can't spell that. I'm not</p>	<p style="text-align: right;">Page 23</p> <p>1 Q. Do you use a dedicated pharmacy to get 2 medicine? 3 A. Yes. 4 Q. And is that delivered? 5 A. Yes. 6 Q. How often? 7 A. Daily. 8 Q. Okay. 9 A. We have a primary daily mail order -- I 10 mean, primary daily delivery and then a local 11 drugstore as our backup. 12 Q. Things that you can do. You can take 13 blood pressure. You can take temperature? 14 A. Yes. 15 Q. You can have a stethoscope, I assume? 16 A. Yes. 17 Q. What other things do you have that would 18 represent your capabilities there in terms of 19 treatment? 20 A. I suture people. I don't expect other 21 people to suture people, but since I'm an emergency 22 physician by training, I suture people. Drain 23 abscesses, provide injection medications, provide 24 follow-up, normal -- I mean, I say normal -- 25 follow-up care from hospitals, wound care, those</p>
<p style="text-align: right;">Page 22</p> <p>1 sure about the first name, if that's "i" or "y." 2 Sessums, S-e-s-s-u-m-s. 3 Q. And they're both licensed in Mississippi, 4 that's where their licensure is? 5 A. Yes. 6 Q. You were talking about your -- the 7 capabilities medically, and you said you can draw 8 labs. You can have a service that can come in and do 9 a mobile x-ray. You can do an EKG? 10 A. Uh-huh. 11 Q. That's with your own equipment? 12 A. Yes. 13 Q. You don't do IVs. Whether you technically 14 could or not, it seems like that's questionable, 15 based on your emergency kit. 16 A. We have an emergency kit that has IV start 17 material in it, but I -- 18 Q. And what else? The emergency kit also 19 would allow you to do a -- would it allow you to do a 20 trach? 21 A. Yes. 22 Q. Do you have a defibrillator on site? 23 A. Yes. 24 Q. You don't have a pharmacy, I assume? 25 A. No.</p>	<p style="text-align: right;">Page 24</p> <p>1 kinds of things. 2 Q. If you give an order to prescribe a 3 medication to an inmate, how long does it typically 4 take to get that medication processed, filled, and 5 back to the facility? 6 A. Most of our medications that are used 7 either for detox or antibiotics or other -- other 8 acute medicine, so antibiotic courses of medications, 9 we have a -- I forget the name of it, but a starter 10 pack essentially, where we can begin the medication, 11 and then the pharmacy replaces our starter pack. So 12 not with -- so the blood pressure medicines, I don't 13 know -- I mean, I believe the next day, but I'm just 14 saying, you know, normally they send all the 15 medications for the entire month at one time or 16 whatever place. So typically, though, the next day 17 we can get medications, and if, as I said, if we need 18 medication that day, we have a local pharmacy that we 19 use. 20 Q. That has, I'm sure, set hours? It's not a 21 24-hour pharmacy, right? 22 A. That's correct. 23 Q. And so for, you know, a lot of the medical 24 services that you need, some of it's dependent on 25 presumably the service that provides the mobile x-ray</p>

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<p style="text-align: right;">Page 25</p> <p>1 or the lab that you use in terms of their backlog and          2 openings and all that; would that be fair?          3 A. Well, there are certainly particular          4 constraints based upon those, what time the lab          5 services send a courier once a day, et cetera, yes.          6 Q. If an inmate has an issue or is -- you          7 know, a guard recognizes an inmate is having an issue          8 in the middle of the night, whether it's chest pain          9 or trouble breathing, et cetera, what typically          10 happens at your facility? They call you? They call          11 911? They assess it on their own? I know it's a          12 general question, but just in general.          13 A. They certainly have the authority to and          14 do sometimes call 911 on their own. They're -- they          15 have the authority to do that, and they know that          16 they are welcome to do that if they believe they have          17 an emergency.          18 They can also call the nurse for          19 questions. I mean, they can call the nurse for          20 advice, or they can call me. In the last few years,          21 they depend more on my nurse. So I receive less          22 middle of the night calls than I used to, but I used          23 to receive a lot of calls, and they're welcome to          24 call me. They mainly call me if they think I'm going          25 to need -- they call me directly if they think I'm</p>	<p style="text-align: right;">Page 27</p> <p>1 mean, over-the-counter medications. So my nurse          2 has -- she does that on each of the days that she is          3 there, and then quite often, if there's anything          4 that's urgent, I would have seen them in my rounds.          5 I mean, I would come around and someone would tell me          6 there was -- we need to see this person in advance.          7 Q. Well, I tried to drill down a little bit          8 on that, the time you're there and, you know, the          9 days or hours that you're there. You just said your          10 rounds. I mean, I don't -- what does that mean?          11 A. I said when I -- so I go to the facility,          12 meaning mornings. I go there, and then if the nurse          13 says, hey, there's -- Mr. So-and-so has put in a sick          14 call request, I think we should see him, he has -- he          15 says he has X, Y, or Z.          16 Q. Okay.          17 A. I will see him aside from the regular          18 time.          19 Q. Ms. Sellers, I'm sure she's a very fine          20 RN, but as an RN, she's not allowed to diagnose,          21 correct?          22 A. She does not diagnose, no.          23 Q. And she does not prescribe?          24 A. No, she does not.          25 Q. She doesn't order treatment, other than</p>
<p style="text-align: right;">Page 26</p> <p>1 going to need to come to the jail, and so --          2 Q. Because your nurse practitioner, she could          3 prescribe like you can, correct?          4 A. Yes, but the nurse -- I'm talking about my          5 nurse.          6 Q. Oh, your nurse. Your nurse.          7 A. My nurse practitioner only holds sick call          8 one day. I mean, she's a strict -- she's strictly a          9 contract employee for sick call one day a week. She          10 works in the emergency department full time.          11 Q. So Courtney Sessums, she comes -- she has          12 a dedicated one day a week where she'll see inmates          13 that have put in a sick slip?          14 A. That's right.          15 Q. What day or hours is that?          16 A. It -- she works full time in the emergency          17 department, and typically it's on Wednesday or          18 Thursday, whichever of those two days she isn't          19 scheduled to work at her full-time job. So it varies          20 between Wednesday and Thursday.          21 Q. So if an inmate puts in a sick slip on          22 Saturday, it might not be until the following          23 Wednesday that they get seen?          24 A. Well, of course my nurse has -- my nurse          25 handles nurse -- what we call nurse sick call, but, I</p>	<p style="text-align: right;">Page 28</p> <p>1 giving maybe a Tylenol or over-the-counter          2 medications?          3 A. Over-the-counter medications.          4 Q. And I presume that's because you have a          5 PRN standing order in that regard?          6 A. For over-the-counter medications, yes.          7 Q. What are the standing orders that you have          8 that Ms. Sellers, as your full-time RN, is able to          9 follow? In other words, things she's able to do          10 without calling you directly?          11 A. Without calling me directly?          12 Q. Yeah.          13 A. Over-the-counter medications only.          14 Q. She can give Tums, she can give Tylenol,          15 stuff like that?          16 A. Right. Multivitamins, foot cream.          17 Q. How often -- well, strike that.          18 You said that -- we talked a little bit          19 about whether or not there were any written protocols          20 at your facility with respect to heroin withdrawal or          21 detox, and you said no, but there are certain things          22 my nurse knows to do; is that correct?          23 A. Yes. I mean, I have a standard -- I          24 actually use buprenorphine at my facility to detox.          25 Q. Okay.</p>

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<p style="text-align: right;">Page 29</p> <p>1 A. And I have a standard -- I actually have a          2 shorter and a longer taper, and she knows what those          3 tapers are. And she cannot start them, but she will          4 call me and I will say, let's start the 7-day taper,          5 and she knows what that is.          6 Q. For the record, give us an overview of          7 that treatment and that medication.          8 A. Of what the medication is?          9 Q. Yeah, what it is, what it's designed to          10 do. You said we have that program at our facility.          11 I think implicitly that probably suggests that not          12 every correctional facility uses that. And at the          13 end of the day, a judge might be reading this          14 transcript, has no idea what you're talking about, so          15 I just want you to explain it.          16 A. Okay. Well, if you don't mind my saying          17 first, I became interested in addiction medicine          18 because I started seeing heroin and opiate withdrawal          19 at my jail. Not just opiates ten years ago, but I          20 started seeing more and more problems with substance          21 abuse, and I felt that I could do a better job of          22 doing detox at my facility. So I got interested in          23 that.          24 I became -- I got the waiver to prescribe          25 Suboxone. That's a specific request, you know, a</p>	<p style="text-align: right;">Page 31</p> <p>1 intended purpose in terms of long-term maintenance?          2 A. The -- that's its indication is for the          3 treatment of opiate addiction and the -- especially          4 as more years have gone by, the federal government is          5 promoting it more and more for longer term          6 maintenance, to prevent people's relapses on to other          7 opiates. So it's basically indicated for and mainly          8 used for the long-term treatment of opiate          9 dependence.          10 Q. When did you first start using that          11 regimen in your facility?          12 A. Approximately ten years ago.          13 Q. What is your understanding as to the          14 number of correctional facilities in this country          15 currently that use a similar program for treating for          16 heroin withdrawal?          17 A. Relatively few.          18 Q. And do you have a philosophical view on          19 that, or a reason why that is?          20 A. I believe that -- I don't have necessarily          21 a philosophical view. I believe that most facilities          22 don't -- don't want to control a substance in their          23 jail, and they are concerned about the abuse          24 potential of buprenorphine. And so they have made a          25 decision not to use it for long-term maintenance,</p>
<p style="text-align: right;">Page 30</p> <p>1 specific DEA you have to get. I got that not for the          2 purpose of prescribing Suboxone to -- for maintenance          3 treatment, but for detox at my jail.          4 I subsequently became interested in          5 addiction medicine, became board certified in          6 addiction medicine, and opened a drug and alcohol          7 treatment center because I was the only person in          8 town doing detox. And so people would call me and          9 send people to the jail, and so basically I opened          10 another treatment facility.          11 Suboxone is a combination of two          12 medications, buprenorphine and naloxone. And          13 buprenorphine is an opioid that has agonist and          14 antagonist properties; so it -- essentially it          15 eliminates withdrawal symptoms.          16 It's combined with naloxone, which is an          17 opiate antagonist. The purpose of it being in there          18 is to prevent one from injecting it. The active          19 ingredient is buprenorphine.          20 And if you give buprenorphine to someone          21 who is opiate dependent, you can treat or prevent          22 opiate withdrawal symptoms. It's used more for          23 long-term maintenance treatment than it is for detox.          24 Q. And just because of the chemical          25 composition of that specific drug, that's just its</p>	<p style="text-align: right;">Page 32</p> <p>1 which I agree with, not using it for long-term          2 maintenance.          3 Q. Because it has opiates in it, correct?          4 A. That's right. So having made the decision          5 not to use it for long-term maintenance, I guess          6 they -- most facilities just don't use it for detox          7 as well. I believe it's very effective for detox,          8 and that's not the way that I use it, not for          9 long-term maintenance at my facility.          10 Q. Does it have an approved FDA use, purpose?          11 A. The treatment of opiate addiction.          12 Q. Not for the treatment of heroin          13 withdrawal?          14 A. No, that's not correct.          15 Q. Okay.          16 A. It is indicated for the treatment of          17 opiate addiction. I mean, that -- and heroin          18 withdrawal, by definition, a person or -- who is          19 having heroin withdrawal would be an opiate addict,          20 and so it is indicated for the treatment of opiate          21 addiction, opiate dependence.          22 Q. You said there's a short- and long-term --          23 I forget the word you used, but --          24 A. Course.          25 Q. Course. Is that the strength of the drug?</p>



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<p style="text-align: right;">Page 33</p> <p>1 A. No. It's for a longer -- for 7 days 2 versus 14 days. 3 Q. And what's the distinction? How do you 4 make a distinction? 5 A. Primarily people who are addicted to 6 methadone, who are dependent upon methadone, will 7 have a more significant withdrawal and a longer 8 withdrawal. So I use a longer taper for patients who 9 are dependent upon methadone, as opposed to other 10 opiates such as heroin. 11 Q. So I think, have you described, at least 12 in your general terms, buprenorphine, for purposes of 13 this record at this point? 14 A. I believe so. 15 Q. And naloxone, can you describe that? Is 16 that -- that's different? 17 A. It is a different drug. 18 Q. Okay. 19 A. It is a pure opiate antagonist. What that 20 means is that it attaches to the opiate receptors and 21 knocks any opiates off. It is mainly used for opiate 22 overdoses when used in its other form, and it's 23 usually injected or given intranasally. It's in this 24 preparation, as I said, primarily to keep people from 25 abusing it by injecting it.</p>	<p style="text-align: right;">Page 35</p> <p>1 you just were to inject it into a heroin addict, they 2 would immediately develop pretty severe opiate 3 withdrawal. 4 Q. And the withdrawal symptoms that naloxone 5 causes in the human body are what? 6 A. Withdrawal symptoms are, number one, GI 7 effects, gastrointestinal effects, nausea, vomiting, 8 diarrhea. In addition to that, muscle cramps, muscle 9 pain, bone pain; rhinorrhea, nose running; 10 lacrimation, eyes running; piloerection, hairs 11 standing up or goose flesh; and malaise, in what is 12 described as a bad case of the flu, so feeling bad. 13 Q. Heroin withdraw in general is often, at 14 least to the layperson, equated with going through 15 the flu or having flu-like symptoms? 16 A. Having a terrible case of the flu, yes. 17 Q. So since you have used or gone to a 18 controlled substance treatment for those that are 19 coming into your facility having an addiction to 20 heroin or other opioids, do you have to go through 21 special procedures to make sure that's under lock and 22 key, and, you know, are there certain requirements 23 you have to -- from a security standpoint you have to 24 follow? 25 A. Yes. So buprenorphine or Suboxone is a</p>
<p style="text-align: right;">Page 34</p> <p>1 The idea was that if you injected it, you 2 would -- the buprenorphine -- I mean, I'm sorry, the 3 naloxone would cancel the effects of the 4 buprenorphine, and you wouldn't be able to abuse it. 5 That's the purpose of it. 6 Q. So you take them both? 7 A. You do. There -- it's a combination pill, 8 and you dissolve it under your tongue. 9 Q. Okay. 10 A. You don't swallow it. 11 Q. Standing alone, though, just -- and some 12 of this, I just -- if someone reads this, their head 13 would spin if they didn't have some background on 14 this. Standing alone, if you just took naloxone and 15 then injected heroin, your body would not appreciate 16 the effects of heroin. Do I understand that 17 correctly? 18 A. That's correct. 19 Q. And it can also be used postinjection of 20 heroin to reverse the effects? 21 A. That's right. 22 Q. Okay. 23 A. And it will cause the -- it will 24 precipitate opiate withdrawal if you are to give it 25 to a heroin addict who wasn't overdosing or anything,</p>	<p style="text-align: right;">Page 36</p> <p>1 controlled substance. 2 Q. You're using those two words 3 interchangeably? 4 A. Suboxone is the brand name. Suboxone 5 consists of two medications, buprenorphine and 6 naloxone in the same pill, which is dissolved under 7 your tongue. The active ingredient is really 8 buprenorphine, and it is sold by the brand new 9 Subutex. So it's -- the active ingredient, what I'm 10 using it for, is the buprenorphine. 11 Q. But it does have naloxone in it? 12 A. It does, but that's not the active 13 ingredient. So -- in fact, yes, that's not the 14 active ingredient. 15 Q. So is it kind of a lower dose, so it 16 doesn't really elicit a lot of withdrawal symptoms? 17 Because if you're using it for withdrawal, I presume 18 you don't want to list the withdrawal symptoms? 19 A. They formulate it as such that when you 20 take it under your tongue, like you're supposed to, 21 it's not enough naloxone to cause withdrawal. 22 Whereas, if you were to inject it, it would cause 23 withdrawal. So it's designed not to cause 24 withdrawal. 25 Q. Do you have inmates that occasionally come</p>

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<p style="text-align: right;">Page 37</p> <p>1 into the jail that are on an outside Suboxone          2 treatment plan?          3 A. I do.          4 Q. And explain to me kind of what that plan          5 is, and the type of people that you see coming in,          6 and then what you do to maintain that presumably?          7 A. Okay. So Suboxone is used in the          8 treatment of opiate addiction. So, for instance, if          9 a person has a heroin addiction, and they want to          10 stop using heroin, they would go to a physician who          11 is authorized to prescribe buprenorphine or Suboxone.          12 They would transition them from the heroin to          13 Suboxone. I say transition them because you have to          14 be in some amount of withdrawal before you start          15 Suboxone.          16 You start Suboxone, and that eliminates          17 the withdrawal symptoms. And then often it is used          18 for maintenance. So potentially for the rest of          19 their life, they are on a daily dose of Suboxone.          20 The recommended dose, according to the          21 FDA, is 8 milligrams to 24 milligrams per day, and          22 there's no -- there's no length of time that is          23 specified. As I think I mentioned earlier, the          24 federal government is pushing us -- or pushing the          25 addiction community to leave people on it longer and</p>	<p style="text-align: right;">Page 39</p> <p>1 don't -- it's not a big surprise that they don't take          2 as much heroin if they -- if you're giving them a          3 prescription opiate.          4 Q. But let's say they do. I mean, let's          5 say -- I mean, it's a smaller dose of opioids,          6 though, is it not? And if someone wants a stronger          7 dose and they go inject heroin, I was just saying,          8 isn't that counterbalanced by the naloxone that          9 they're taking?          10 A. The naloxone doesn't have anything to do          11 with it. The buprenorphine itself is a special kind          12 of opiate with what is called ceiling properties.          13 And so it binds very tightly to the opiate receptors,          14 more tightly than heroin does, and you cannot          15 overdose and die on buprenorphine.          16 So no matter how much you take, when your          17 opiate receptors get saturated, it has what is called          18 a ceiling effect. You don't die from it, that's          19 number one. Number two, it's tighter, it binds          20 tighter to those opiate receptors than heroin does.          21 So if you shoot heroin and have been          22 taking buprenorphine, you won't get any effect from          23 the heroin. You don't -- you don't get a high from          24 the heroin. So there's no reason for people to take          25 heroin on top of buprenorphine.</p>
<p style="text-align: right;">Page 38</p> <p>1 to keep people on it for the rest of their lives as a          2 maintenance treatment.          3 Q. So to a layperson, this plan is          4 essentially putting individuals on some amount of          5 opioids for long term?          6 A. That's correct.          7 Q. Are you aware of any studies that have          8 been done or maybe are in the works to study the          9 long-term health effects of long-term Suboxone          10 treatment?          11 A. There are not good long-term studies.          12 There are studies that show that the federal          13 government leans upon the -- leans upon short-term          14 studies, which show that one has fewer heroin -- that          15 people have fewer heroin overdoses if they're taking          16 Suboxone. Which is not a big surprise, if one is          17 giving them an opiate, that they would have -- that          18 they would take less heroin. So that's the          19 government's rationale or the -- yeah, the          20 government's rationale.          21 Q. Is that also because there's naloxone in          22 it, which counters the effects?          23 A. No.          24 Q. What -- I must be missing something then.          25 A. You're giving them an opiate; so they</p>	<p style="text-align: right;">Page 40</p> <p>1 Q. And that what I thought I understood you          2 to say earlier, and that's -- I guess that was my          3 question. So there's -- you can't go get a --          4 someone just taking, again, a smaller, presumably          5 safe daily dose of opioids as prescribed, they can't          6 go get more bang for their buck by injecting IV          7 heroin --          8 A. That's right.          9 Q. -- because it just doesn't -- their body          10 doesn't respond?          11 A. It doesn't work, that's right. That's          12 right. It's just not because of the naloxone. It's          13 because of the buprenorphine itself.          14 Q. Do you know whether or not the medical          15 community or the addiction community is going to          16 start studying in more detail the long-term effects          17 of this treatment, of this Suboxone treatment?          18 A. I hope so.          19 Q. Because we do have some literature, do we          20 not, and some data to this point in terms of the          21 health effects of long-term heroin use?          22 A. Right.          23 Q. And long-term opiate use?          24 A. Right.          25 Q. Correct? I presume that it's theorized</p>

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<p style="text-align: right;">Page 41</p> <p>1 that the amount of opioids that are -- that an 2 individual is getting through buprenorphine of 8 to 3 24 milligrams a day is of a safe therapeutic level 4 and not likely to cause long-term health effects? 5 A. I don't theorize that. 6 Q. So you think it might cause long-term 7 effects? 8 A. Absolutely. 9 Q. And is that -- okay. So when the 10 government says -- or when you say the government 11 is -- 12 A. Encouraging. 13 Q. -- encouraging, requesting, that the 14 addiction community keep individuals on buprenorphine 15 on a longer-term basis, presumably that request or 16 encouragement is to try to stop the overdose deaths, 17 I assume? 18 A. I assume. 19 Q. But beyond that, in terms of long-term 20 effects or chronic illness or disease that may stem 21 from this, we just don't have enough information at 22 this point in time? 23 A. We don't. We don't. And it's not my -- 24 in my drug and alcohol treatment program, I don't use 25 buprenorphine long term.</p>	<p style="text-align: right;">Page 43</p> <p>1 long-term treatment for heroin addiction, describe to 2 me kind of what that is, what it's designed to do? 3 A. Methadone is replacement therapy as well, 4 except, especially in my estimation, it's much -- 5 much less safe than Suboxone. So it is a pure opiate 6 agonist, meaning you can overdose and die on 7 methadone, and it is considered by the government to 8 be the gold standard for opiate addiction. 9 It is very -- does not make sense to me. 10 I mean, it is an opiate agonist, so you can think of 11 it -- this is layman's terms, maybe, but it's 12 essentially liquid long lasting heroin. So it is not 13 surprising if one gives an opiate addict a whopping 14 dose of a long lasting opiate that they buy less 15 heroin on the street, that's not surprising, but does 16 that do them any favors in the long term? 17 Q. And you can OD from it? 18 A. Absolutely. 19 Q. And you can get it from your buddy if you 20 want more, right? 21 A. Absolutely. 22 Q. But for whatever reason currently, at 23 least from CDC's standpoint or whoever, National 24 Institute of Health, it's recognized as a longer term 25 treatment than buprenorphine?</p>
<p style="text-align: right;">Page 42</p> <p>1 Q. I think you said that if someone is on 2 heroin and wants to get on buprenorphine -- if I say 3 that or Suboxone, are they interchangeable for our 4 purposes? 5 A. They are. 6 Q. That you can't inject heroin today, and 7 then go on buprenorphine tomorrow. There has got to 8 be some period of drying out or withdrawal you have 9 to go through; did I hear you correctly? 10 A. You heard me correctly, but tomorrow -- 11 heroin today and buprenorphine tomorrow is okay. 12 Because in 24 hours, if you're a heroin addict, you 13 will be having significant withdrawal symptoms by 24 14 hours. What you can't do is shoot heroin this 15 morning and take buprenorphine at noon, or be on 16 methadone, which lasts a really long time, and take 17 buprenorphine tomorrow. So you were close to being 18 correct, but -- 19 Q. I know you -- well, you said you had to 20 have withdrawal symptoms to start on buprenorphine? 21 A. That's correct. 22 Q. Presumably that's the gist of it. It's 23 out of the bloodstream and the body is craving more? 24 A. That's correct. 25 Q. Just for the record, methadone as a</p>	<p style="text-align: right;">Page 44</p> <p>1 A. They're both recognized, but it was the 2 first one -- they had studies that showed, dating 3 back to the '60s, that if you gave heroin addicts 4 methadone, they used less heroin. So that became the 5 treatment of choice. 6 Q. Are you aware of any correctional 7 facilities that use methadone treatment in-house? 8 A. I am, especially longer-term facilities in 9 the north. I mean, there are some state prison 10 systems that are using it. 11 Q. Are you aware of any county or state jail 12 that would have a program like that? 13 A. I need to make an exception for pregnant 14 females. Essentially, the federal government has 15 supposedly mandated that we treat pregnant females 16 with methadone, and so jails across the country deal 17 with that in one way or another, but the federal 18 government mandates that. And it's a difficult 19 thing, though, if you're, you know, in certain places 20 where there are not methadone programs, like 21 Mississippi. We don't have methadone programs in 22 Mississippi. 23 Q. So the buprenorphine that you use at your 24 facility, do you have to regularly get that filled 25 and dropped off from your local pharmacy, or what's</p>

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<p style="text-align: right;">Page 45</p> <p>1 the supply chain on that? How does that work?</p> <p>2 A. It is an individual prescription that</p> <p>3 comes from the -- it is an individual prescription</p> <p>4 that comes from the -- our usual pharmacy, the mail</p> <p>5 order pharmacy.</p> <p>6 Q. Okay.</p> <p>7 A. It is a controlled substance. It has to</p> <p>8 be handled as a controlled substance, but --</p> <p>9 Q. So you don't have it just sitting around</p> <p>10 then?</p> <p>11 A. No.</p> <p>12 Q. And when it comes and it is filled, is it</p> <p>13 a week's supply, a month's supply?</p> <p>14 A. Well, I have a 7-day and a 14-day taper,</p> <p>15 and that's all that I use at my facility.</p> <p>16 Q. So then you're off it?</p> <p>17 A. That's right. You asked earlier -- so I</p> <p>18 didn't -- maybe didn't completely answer your</p> <p>19 question before about when someone comes in with</p> <p>20 buprenorphine, but they're tapered off, and they do</p> <p>21 not remain at my facility.</p> <p>22 Q. So if someone came in and said, I've been</p> <p>23 on buprenorphine for the last month, what would you</p> <p>24 do? Put them on seven day, I assume?</p> <p>25 A. Yes.</p>	<p style="text-align: right;">Page 47</p> <p>1 list. I would say approximately 30 to 40.</p> <p>2 Q. If you were to characterize those 30 to 40</p> <p>3 cases that you've been retained as an expert in the</p> <p>4 last four years, can you put them into buckets in</p> <p>5 terms of subject matter, type of case?</p> <p>6 A. Well, they're all correctional medicine</p> <p>7 cases.</p> <p>8 Q. Yes.</p> <p>9 A. And, no, I don't think -- they're not --</p> <p>10 certainly not all substance abuse related or --</p> <p>11 they're a variety of correctional medicine cases,</p> <p>12 correctional health care cases.</p> <p>13 Q. How many other cases have you been</p> <p>14 retained as an expert that related in some way to</p> <p>15 heroin, either overdose or withdrawal or otherwise?</p> <p>16 A. I don't have a list. I couldn't give an</p> <p>17 exact number, but it's in the single digits.</p> <p>18 Q. On the cases you've been retained as an</p> <p>19 expert, do you know how many were retentions on</p> <p>20 behalf of a plaintiff versus a defendant?</p> <p>21 A. I do not know specifically, but I could</p> <p>22 give you an estimate.</p> <p>23 Q. Go ahead.</p> <p>24 A. Which is 30 percent plaintiff and 70</p> <p>25 percent defense attorneys.</p>
<p style="text-align: right;">Page 46</p> <p>1 Q. And that taper, presumably the dose gets</p> <p>2 lower each day?</p> <p>3 A. That's right.</p> <p>4 Q. 14 is just a longer step-down?</p> <p>5 A. That's right.</p> <p>6 Q. How long have you been serving as an</p> <p>7 expert in legal cases?</p> <p>8 A. Specifically as it relates to correctional</p> <p>9 health care, for approximately four years. I have</p> <p>10 also done a variety of other cases over the last ten</p> <p>11 or more years, but they were not in any particular --</p> <p>12 related to emergency medicine or addiction medicine.</p> <p>13 Correctional medicine, over the last three or four</p> <p>14 years.</p> <p>15 Q. How many cases have you been retained on</p> <p>16 as an expert in the last four years?</p> <p>17 A. Well, you have my federal case list.</p> <p>18 Q. Right. Which is your -- is that all</p> <p>19 cases, even the ones where you didn't give testimony?</p> <p>20 A. No.</p> <p>21 Q. Okay.</p> <p>22 A. Those were the ones with sworn testimony.</p> <p>23 Q. That's what I thought. So how many total,</p> <p>24 if you know?</p> <p>25 A. I don't know for certain. I don't have a</p>	<p style="text-align: right;">Page 48</p> <p>1 Q. Have you ever turned down a case?</p> <p>2 A. Well, certainly -- yes, certainly I've</p> <p>3 turned down cases, yes.</p> <p>4 Q. Just because it was outside your subject</p> <p>5 matter, or you just felt you couldn't help the</p> <p>6 person?</p> <p>7 A. Well, right.</p> <p>8 Q. How much money do you make per year</p> <p>9 serving as an expert witness?</p> <p>10 A. In what time frame?</p> <p>11 Q. The last four years. Annually, when you</p> <p>12 file your tax return, you put down the amount of</p> <p>13 money you made as an expert, presumably, from 1099s.</p> <p>14 What does that total up to be?</p> <p>15 A. Over -- the total over the last four</p> <p>16 years?</p> <p>17 Q. Yeah, or on average per year.</p> <p>18 A. Relatively small. So I'm having -- I'm</p> <p>19 having trouble coming up with a number. 100,000 in</p> <p>20 total, perhaps.</p> <p>21 Q. About 25,000 a year?</p> <p>22 A. That's what an average -- that would</p> <p>23 average over four years, I would -- yes.</p> <p>24 Q. Do you think you make as much money</p> <p>25 serving as an expert as you do serving as the medical</p>



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<p style="text-align: right;">Page 49</p> <p>1 director of the Lafayette Detention Facility?</p> <p>2 A. If you --</p> <p>3 Q. It sounds like it?</p> <p>4 A. Yeah, okay, I believe that.</p> <p>5 Q. You said -- I think you said that it's a</p> <p>6 relatively small number of correctional facilities,</p> <p>7 to your knowledge, that use buprenorphine as a</p> <p>8 treatment for heroin withdrawal in a correctional</p> <p>9 setting; is that true?</p> <p>10 A. That's true.</p> <p>11 Q. That's as we sit here today, in 2018?</p> <p>12 A. That's true.</p> <p>13 Q. And so would you agree with me that the</p> <p>14 standard of care with respect to correctional</p> <p>15 medicine does not include the use of buprenorphine in</p> <p>16 the correctional setting?</p> <p>17 A. I would agree with you that the standard</p> <p>18 of care does not require it.</p> <p>19 Q. Okay.</p> <p>20 A. I believe it could include it, but --</p> <p>21 Q. It would permit it, allow it as an option?</p> <p>22 A. Certainly.</p> <p>23 Q. And that just comes down presumably to the</p> <p>24 beliefs of the medical director or whoever is calling</p> <p>25 the shots in terms of --</p>	<p style="text-align: right;">Page 51</p> <p>1 Baptist, North Mississippi.</p> <p>2 Q. And do you know what level of a hospital</p> <p>3 that is?</p> <p>4 A. I think it's probably a Level 2 or -- a</p> <p>5 Level 2 or Level 3. It's not a trauma center that's</p> <p>6 staffed with a trauma surgeon 24 hours a day, but a</p> <p>7 fully capable -- fully capable referral center.</p> <p>8 Q. Do you have -- do you work there? Do you</p> <p>9 have privileges there?</p> <p>10 A. I do not, not at the present time.</p> <p>11 Q. Do you have an understanding as to the</p> <p>12 level of care that is provided at Baptist Memorial</p> <p>13 Hospital in Oxford, Mississippi with respect to</p> <p>14 someone that comes in either from an overdose or</p> <p>15 withdrawal from heroin?</p> <p>16 A. Ask the question again, please.</p> <p>17 Q. Do you know what the capabilities are of</p> <p>18 Baptist Memorial Hospital with respect to heroin</p> <p>19 withdrawal or heroin overdose?</p> <p>20 A. I do not.</p> <p>21 Q. Do you know if they utilize buprenorphine</p> <p>22 in their treatment protocols?</p> <p>23 A. I do not.</p> <p>24 Q. So, for example, if someone is at their</p> <p>25 home in Oxford, Mississippi, and they've gone somehow</p>
<p style="text-align: right;">Page 50</p> <p>1 A. The medical director and the facilities.</p> <p>2 Q. I presume, obviously, that the program</p> <p>3 that you utilize at your facility is with the</p> <p>4 blessing of whatever governmental agency employs you?</p> <p>5 A. Yes.</p> <p>6 Q. Any distinction in terms of your</p> <p>7 treatment, whether it's related to withdrawal or</p> <p>8 otherwise, as to the federal inmates that are on loan</p> <p>9 to your facility versus the state and county inmates?</p> <p>10 A. No.</p> <p>11 Q. I mean, there are no federal standards or</p> <p>12 regulations or issues that impact what you do from a</p> <p>13 treatment standpoint?</p> <p>14 A. Not that I'm aware of.</p> <p>15 Q. Tell me about the medical -- the hospitals</p> <p>16 in your area. So if an inmate has a medical issue</p> <p>17 you can't treat, where do they go?</p> <p>18 A. To our local -- our local hospital. It is</p> <p>19 a --</p> <p>20 Q. What's that called?</p> <p>21 A. Baptist Memorial Hospital.</p> <p>22 Q. Okay.</p> <p>23 A. North Mississippi. It's a Baptist --</p> <p>24 Baptist Hospital is a hospital system based in</p> <p>25 Memphis, Tennessee. The hospital in Oxford is</p>	<p style="text-align: right;">Page 52</p> <p>1 cold turkey off of heroin, or they just can't get it</p> <p>2 and they're withdrawing and getting sick, and if they</p> <p>3 went to Baptist Memorial Hospital, you don't know</p> <p>4 what treatment they would receive?</p> <p>5 A. Not today, I do not.</p> <p>6 Q. Do you have privileges at any hospital?</p> <p>7 A. Not at any hospital, no.</p> <p>8 Q. Have you ever had admitting privileges at</p> <p>9 a hospital?</p> <p>10 A. Well, no. Emergency physicians typically</p> <p>11 don't have admitting privileges at hospitals.</p> <p>12 Q. I didn't know if it was part of your</p> <p>13 addiction practice or centers if -- I would think</p> <p>14 there might be occasion where you would want to admit</p> <p>15 somebody to a hospital. Maybe not.</p> <p>16 A. Well, my addiction facility is a detox --</p> <p>17 is a detox facility staffed 24 hours a day. It is</p> <p>18 not licensed as a hospital. It's licensed as a</p> <p>19 residential detox facility. And so when we send</p> <p>20 patients to the hospital, it's normally not for detox</p> <p>21 issues, but other medical issues, and we don't admit</p> <p>22 them to the hospital.</p> <p>23 Q. To your knowledge, have any inmates died</p> <p>24 at the Lafayette County Detention Facility since</p> <p>25 you've been medical director?</p>



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<p style="text-align: right;">Page 53</p> <p>1 A. Yes.</p> <p>2 Q. Do you know how many? Can you quantify</p> <p>3 that for us?</p> <p>4 A. I recall two.</p> <p>5 Q. Do you recall the circumstances?</p> <p>6 A. Yes.</p> <p>7 Q. Just generally?</p> <p>8 A. Suicides.</p> <p>9 Q. Hangings?</p> <p>10 A. Yes.</p> <p>11 Q. Any litigation arising from that?</p> <p>12 A. Not that I'm aware of.</p> <p>13 Q. Have you served as an expert in connection</p> <p>14 with any jail suicide case?</p> <p>15 A. Yes.</p> <p>16 Q. Is it one of the ones you've testified on,</p> <p>17 you've given us in your testimonial history?</p> <p>18 A. No, I don't believe it is.</p> <p>19 Q. So you didn't testify in that case?</p> <p>20 A. I've given a deposition.</p> <p>21 Q. So it should be added?</p> <p>22 A. Yes.</p> <p>23 Q. Can you tell me the caption?</p> <p>24 A. I can give you the --</p> <p>25 Q. Court?</p>	<p style="text-align: right;">Page 55</p> <p>1 A. Providing Doxepin, a tricyclic</p> <p>2 antidepressant, without ever seeing or examining the</p> <p>3 patient and implementing a plan to monitor the</p> <p>4 patient for suicidality.</p> <p>5 Q. So your opinion is by prescribing an</p> <p>6 antidepressant, that one of the side effects of that</p> <p>7 in that inmate was suicidal ideation or increased</p> <p>8 suicidal ideation?</p> <p>9 A. Well, that was part of it, but Doxepin is</p> <p>10 a particularly toxic older tricyclic antidepressant</p> <p>11 that causes death with relatively -- it has a low</p> <p>12 therapeutic index. So it doesn't take much Doxepin</p> <p>13 to overdose and die from.</p> <p>14 Q. Oh, so that wasn't -- that's not a hanging</p> <p>15 case then. I'm sorry.</p> <p>16 A. No, that's right.</p> <p>17 Q. Okay.</p> <p>18 A. It was a death by tricyclic antidepressant</p> <p>19 overdose.</p> <p>20 Q. Got it. Do you have -- with respect to</p> <p>21 your updated testimonial history for the past four</p> <p>22 years, first of all, it looks like you've labeled it</p> <p>23 Appendix B, which would be updated Appendix B to your</p> <p>24 written report in this case?</p> <p>25 A. That's right.</p>
<p style="text-align: right;">Page 54</p> <p>1 A. Would you like my updated case list?</p> <p>2 Q. Yes, that would be great. That would be</p> <p>3 great. I should have asked that at the beginning.</p> <p>4 A. There's two copies of it.</p> <p>5 Q. Got it. And which case?</p> <p>6 A. It is the last one on there.</p> <p>7 Q. Benoit versus Lincoln County?</p> <p>8 A. That's correct.</p> <p>9 Q. In Missouri, it looks like State Court in</p> <p>10 Missouri. Are you a plaintiff expert or defense</p> <p>11 expert?</p> <p>12 A. I was retained by the plaintiff's</p> <p>13 attorney.</p> <p>14 Q. Presumably your opinions are to criticize</p> <p>15 the jail staff or medical department with respect to</p> <p>16 a suicide that occurred?</p> <p>17 A. I gave my opinion in the case regarding a</p> <p>18 suicide that occurred in the jail, yes.</p> <p>19 Q. What was the opinion?</p> <p>20 A. That there were breaches of the standard</p> <p>21 of care.</p> <p>22 Q. By who, the jail physician or nurses?</p> <p>23 A. That's correct.</p> <p>24 Q. Specifically, what was the breach of the</p> <p>25 standard of care in that case, your opinion?</p>	<p style="text-align: right;">Page 56</p> <p>1 Q. And does this contain a complete and</p> <p>2 accurate list of all cases that you've given sworn</p> <p>3 testimony either at trial, deposition, or otherwise</p> <p>4 in the last four years?</p> <p>5 A. Yes.</p> <p>6 Q. Are you -- without, you know, looking at</p> <p>7 notes or files, are you familiar with all these</p> <p>8 cases, if we went through them, and you could give us</p> <p>9 some information about them?</p> <p>10 A. Most of them.</p> <p>11 Q. Do you have --</p> <p>12 A. Most of them. I have no notes, but most</p> <p>13 of them I could tell you at least generally something</p> <p>14 about them.</p> <p>15 Q. Angela Anderson versus Marshall County,</p> <p>16 were you retained for the plaintiff or the defense in</p> <p>17 the case?</p> <p>18 A. Do you mind if I get in my --</p> <p>19 Q. Sure.</p> <p>20 A. Let me go to my report -- let me go to my</p> <p>21 copy. Okay.</p> <p>22 Q. Anderson versus Marshall County. You were</p> <p>23 retained as an expert in that case; is that right?</p> <p>24 A. I was.</p> <p>25 Q. Plaintiff or defense?</p>

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<p style="text-align: right;">Page 57</p> <p>1 A. Defense.</p> <p>2 Q. And generally the allegations were what?</p> <p>3 A. It was a -- this was a death in a jail for</p> <p>4 a civil mental health detainee. Mississippi is</p> <p>5 probably the last state in America that holds civil</p> <p>6 mental health detainees in jail.</p> <p>7 Q. So as opposed to a psychiatric hospital or</p> <p>8 emergency psychiatric ward, like we may see here,</p> <p>9 they send them to jail?</p> <p>10 A. That's right.</p> <p>11 Q. So someone died in jail?</p> <p>12 A. Someone died in jail. A mental health</p> <p>13 detainee died in jail.</p> <p>14 Q. Died from what?</p> <p>15 A. I don't -- I don't exactly recall.</p> <p>16 Rhabdomyolysis, I believe, was the cause of death.</p> <p>17 Q. And what is that?</p> <p>18 A. Breakdown of your muscles from lying</p> <p>19 immobilized.</p> <p>20 Q. Body atrophies away, so to speak?</p> <p>21 A. No. Your body breaks down, and the</p> <p>22 protein in your muscle clogs up your kidneys, and you</p> <p>23 die of kidney failure.</p> <p>24 Q. And what was the plaintiff alleging in</p> <p>25 that case, that this inmate or this -- yeah, this</p>	<p style="text-align: right;">Page 59</p> <p>1 A. Yeah.</p> <p>2 Q. What can you tell us about that one?</p> <p>3 A. That is not a -- that is not a jail case.</p> <p>4 I can tell you -- if you want me to give you more.</p> <p>5 Q. Just very generally, then we can probably</p> <p>6 move on.</p> <p>7 A. Okay. It's a -- that was -- I was</p> <p>8 retained on behalf of the defendant in a criminal</p> <p>9 trial regarding a DUI toxicology -- toxic substances.</p> <p>10 Q. Gallion versus Hinds County, plaintiff or</p> <p>11 defense expert?</p> <p>12 A. Defense.</p> <p>13 Q. Okay.</p> <p>14 A. That is a jail -- that is a jail case, and</p> <p>15 actually I don't recall the underlying condition. I</p> <p>16 want to say maybe intracranial hemorrhage, I believe.</p> <p>17 It was a death in a jail, and I believe it was</p> <p>18 intracranial hemorrhage, but I don't recall for sure.</p> <p>19 Q. Did that inmate go to the ER?</p> <p>20 A. I believe, yes.</p> <p>21 Q. Died?</p> <p>22 A. I believe.</p> <p>23 Q. And your opinion was that the event was</p> <p>24 not reasonably foreseeable, right?</p> <p>25 A. To the best of my recollection.</p>
<p style="text-align: right;">Page 58</p> <p>1 mental health inmate or detainee should have gone to</p> <p>2 a hospital?</p> <p>3 A. Basically, yes.</p> <p>4 Q. And you supported the medical staff?</p> <p>5 A. I was actually retained by the county in</p> <p>6 that case.</p> <p>7 Q. So you were commenting on the correctional</p> <p>8 officers?</p> <p>9 A. That's correct.</p> <p>10 Q. And your opinion was that they did</p> <p>11 everything right, and there was no reason for them to</p> <p>12 send this person out?</p> <p>13 A. That's right. They had -- the person had</p> <p>14 come from the hospital medically cleared.</p> <p>15 Q. And the condition basically remained the</p> <p>16 same?</p> <p>17 A. Yeah, that's right.</p> <p>18 Q. Did you write a report in that case?</p> <p>19 A. I did.</p> <p>20 Q. Do you keep copies of your written</p> <p>21 reports, deposition transcripts, or trial testimony</p> <p>22 in the cases that you get involved with?</p> <p>23 A. Not beyond the time when the cases are</p> <p>24 active.</p> <p>25 Q. State of Mississippi versus Shawn Hunt?</p>	<p style="text-align: right;">Page 60</p> <p>1 Q. Did you author a written report in that</p> <p>2 case?</p> <p>3 A. To the best of my recollection, that was</p> <p>4 actually a sworn affidavit, as opposed to a Rule 26</p> <p>5 report. I don't recall, to tell you the truth.</p> <p>6 Q. I presume it was alleged in that case that</p> <p>7 that inmate should have gone to the hospital sooner?</p> <p>8 A. I don't recall.</p> <p>9 Q. We pulled some information on you, and it</p> <p>10 suggested that your report or affidavit indicated</p> <p>11 that this inmate had a large blood clot developed</p> <p>12 undetected in the left leg, presumably through a</p> <p>13 clot, and died?</p> <p>14 A. Yes. Not intracranial hemorrhage.</p> <p>15 Pulmonary embolus.</p> <p>16 Q. Pulmonary embolus.</p> <p>17 A. Pulmonary embolus.</p> <p>18 Q. And your opinion was that that wasn't</p> <p>19 reasonably diagnosable in the jail setting?</p> <p>20 A. You have now refreshed my recollection.</p> <p>21 It occurred at the hospital. It occurred after he</p> <p>22 went to the hospital, yes.</p> <p>23 Q. Presumably the allegation was he should</p> <p>24 have got there sooner?</p> <p>25 A. Yes.</p>

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<p style="text-align: right;">Page 61</p> <p>1 Q. You felt the medical staff acted 2 appropriately, within the standard of care? 3 A. Yes. 4 Q. Did not proximately cause that person's 5 death? 6 A. Yes. 7 Q. The State of Mississippi versus Dobbs 8 versus Adams versus Tutor versus Donald. I just said 9 those four together because they probably are 10 criminal cases? 11 A. They are. 12 Q. Anything involve correctional health care 13 or a jail-based incident? 14 A. No. 15 Q. You were retained in each case for the 16 criminal defendant? 17 A. No. 18 Q. Oh. 19 A. Those are cases where I am a consultant in 20 drug court, at a felony drug court, and those are 21 cases involving the drug court -- drug court, urine 22 drug screen testing. 23 Q. State of Mississippi versus Blunt. What's 24 that, same kind of issue? 25 A. No.</p>	<p style="text-align: right;">Page 63</p> <p>1 medication? 2 A. I do. 3 Q. But it was your opinion that he didn't 4 need to stay on that medication once he went into the 5 jail setting? 6 A. Okay. I don't -- 7 Q. Correct? 8 A. I don't recall the specifics of that. 9 Q. You supported the medical staff? 10 A. I did. 11 Q. Did not believe that they should have done 12 something more to prevent Mr. Lee's seizure that 13 ultimately led to his death; is that correct? 14 A. That's correct. 15 Q. Paylan versus Teitelbaum? 16 A. Yes. 17 Q. What is that? 18 A. That is not a correctional case. 19 Q. Just generally? 20 A. It is a physician who was ordered to 21 undergo a substance abuse evaluation and is now suing 22 the State of Florida for their substance abuse 23 evaluation. 24 Q. Singleton versus Southern Health Partners, 25 what is -- plaintiff or defense expert?</p>
<p style="text-align: right;">Page 62</p> <p>1 Q. No. Go ahead. 2 A. That is a criminal defendant who I treated 3 after he was charged with a crime. I treated him 4 afterwards, and on a pro bono basis gave a report in 5 that case. 6 Q. Mississippi Board of Nursing versus 7 Robbins? 8 A. There's two there. That's a husband and 9 wife. That involves substance abuse. I was retained 10 by them to testify in front of the Board of Nursing. 11 Q. Lee versus Jackson County. Is that a jail 12 case? 13 A. It is. 14 Q. Were you a plaintiff or defense expert? 15 A. Defense. 16 Q. What do you recall about that case? 17 A. That case involved the death of an inmate 18 in a county jail some number of months after they 19 were there, and it involved a seizure. 20 Q. And was that inmate being treated for 21 seizures or on antiseizure medication? 22 A. I don't recall. I believe at least some 23 of the time. I don't recall. 24 Q. Do you recall if Mr. Lee, decedent, had a 25 preexisting condition of seizures, which required</p>	<p style="text-align: right;">Page 64</p> <p>1 A. Defense. 2 Q. And did that involve a death? 3 A. Yes. 4 Q. I note that -- okay, you don't have E/O, 5 but that would be an estate of Singleton, presumably? 6 A. Yes. I think the reason that it's not E/O 7 is that the plaintiff's name is Singleton as well, 8 like a daughter. So I only write that when it's 9 not -- when it's a different plaintiff name. 10 Q. Got it. What do you recall about that 11 case? 12 A. It involved an intracranial hemorrhage. 13 Q. Stroke? 14 A. Stroke, yes. 15 Q. And the allegation was what? 16 A. To the best of my recollection, 17 inadequate -- inadequate blood pressure treatment. 18 Q. Inmate had high blood pressure, was out of 19 control, and that created an increased risk factor 20 for stroke, that was the allegation? 21 A. I believe that was the allegation, yes. 22 Q. And you supported the medical staff? 23 A. That's correct. 24 Q. Filichia versus Correct Care Solutions? 25 A. Yes.</p>

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<p style="text-align: right;">Page 65</p> <p>1 Q. That's a Southern District of Ohio case, 2 correct?</p> <p>3 A. Yes.</p> <p>4 Q. Tell us about that.</p> <p>5 A. That is a death of an inmate in a county 6 jail.</p> <p>7 Q. What county; do you recall?</p> <p>8 A. I do not.</p> <p>9 Q. Delaware?</p> <p>10 A. I don't recall. Sorry.</p> <p>11 Q. Okay.</p> <p>12 A. The inmate died. Was serving weekends in 13 a jail, and was brought in on Friday and died on 14 Sunday of a weekend from a -- essentially the 15 allegation was from peritonitis or from a 16 perforation. They had had abdominal problems -- an 17 opiate addict who had had abdominal problems and had 18 been -- had been to the surgeon and the ER shortly 19 before being arrested for the weekend and in the jail 20 for the weekend.</p> <p>21 Q. Did Delaware County -- was it at the 22 Delaware County Jail where that person went?</p> <p>23 A. I just told you I don't recall.</p> <p>24 Q. You don't know?</p> <p>25 A. I didn't recall. It was a county jail. I</p>	<p style="text-align: right;">Page 67</p> <p>1 A. Well, that is part of the allegation. I'm 2 not a use of force expert.</p> <p>3 Q. Okay.</p> <p>4 A. So this was also -- they had not received 5 their receiving screening yet. They had recently -- 6 only recently arrived at the jail.</p> <p>7 Q. Benoit versus Lincoln County?</p> <p>8 A. That's the one we just discussed with the 9 overdose of Doxepin, suicide by tricyclic overdose.</p> <p>10 Q. Oh, that's right, that's -- we started 11 with that one.</p> <p>12 A. Plaintiff case, that's right.</p> <p>13 Q. Does that include all the cases you've 14 testified in the last four years?</p> <p>15 A. To the best of my knowledge.</p> <p>16 Q. Let me ask you about a case, the Estate of 17 Fatima Neal versus State of Maryland. Does that case 18 ring a bell to you? I don't believe you have it 19 listed.</p> <p>20 A. Yes, it does, but, I mean, how is it not 21 on -- hold on, let me --</p> <p>22 Q. It's a case I think we discovered, but I 23 didn't see it on your list.</p> <p>24 A. Okay. You are -- you are correct. It was 25 on my -- it was on a case list at one time and</p>
<p style="text-align: right;">Page 66</p> <p>1 would not -- would not promise to it being Delaware 2 County.</p> <p>3 Q. I think we pulled it up on the docket. It 4 was a caption versus Delaware County Sheriff's 5 Office. So I guess I was --</p> <p>6 A. I'm thinking you're right then.</p> <p>7 Q. Did that -- was there any medical staff on 8 duty over that weekend?</p> <p>9 A. There was a nurse who saw her when she 10 came in, yes.</p> <p>11 Q. What was your opinion?</p> <p>12 A. That the care she was provided over the 13 weekend was adequate, and her death wasn't 14 foreseeable or preventable.</p> <p>15 Q. Ajibade versus Wilcher?</p> <p>16 A. Yes.</p> <p>17 Q. What's that case about?</p> <p>18 A. That case is a death of an inmate shortly 19 after arrival at a jail and after an altercation. 20 Essentially mental health -- mental health -- the 21 issue was mental health. They got into an 22 altercation with the booking officers and were 23 restrained in a chair and died shortly after, sudden 24 death in custody.</p> <p>25 Q. Allegation was improper restraint?</p>	<p style="text-align: right;">Page 68</p> <p>1 apparently has been deleted from there.</p> <p>2 Q. A 2015 case. Is it still going on?</p> <p>3 A. Yes, to the best of my knowledge. It was 4 last year.</p> <p>5 Q. Tell us about that case.</p> <p>6 A. It involves an inmate in Baltimore County, 7 I believe. To the best of my knowledge, it's 8 Baltimore County. It involves an inmate who was 9 there over -- HIV positive person there over a 10 prolonged period of time, and then died with some 11 type of intracranial event, I don't exactly recall. 12 I want to say intracranial hemorrhage.</p> <p>13 Q. Do you know what the allegations are?</p> <p>14 A. Failure to -- I'm not sure it involved 15 blood, but -- I don't think she had a history of 16 blood pressure, but failure to treat the HIV, failure 17 to provide medical evaluation of some variety, I 18 don't recall exactly.</p> <p>19 Q. Was it a sudden death type situation?</p> <p>20 A. Yes. Intracranial hemorrhage, to the best 21 of my recollection.</p> <p>22 Q. Fatima Neal, was that the name of the 23 decedent?</p> <p>24 A. Fatima Neal.</p> <p>25 Q. Fatima Neal?</p>

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<p style="text-align: right;">Page 69</p> <p>1 A. Yes.</p> <p>2 Q. And Fatima Neal not only was HIV positive,</p> <p>3 but had a 20-year history of IV heroin use, right?</p> <p>4 A. Okay.</p> <p>5 Q. Does that sound right to you?</p> <p>6 A. It does.</p> <p>7 Q. Is that the only -- so the one heroin</p> <p>8 case, the one case with an inmate who was a heroin</p> <p>9 abuser, you didn't put on your testimonial list; is</p> <p>10 that correct?</p> <p>11 A. It appears so. I don't -- well, I don't</p> <p>12 know. No, I believe that others of them were heroin</p> <p>13 users. The one in Ohio, that's a heroin use.</p> <p>14 Q. That's a heroin case?</p> <p>15 A. Yes.</p> <p>16 Q. Filichia versus --</p> <p>17 A. Filichia.</p> <p>18 Q. Filichia, yes?</p> <p>19 A. That one's a heroin case as well.</p> <p>20 Q. And that was a case where the lady died</p> <p>21 from --</p> <p>22 A. Peritonitis.</p> <p>23 Q. -- peritonitis or diverticulitis,</p> <p>24 something like that?</p> <p>25 A. Something like that.</p>	<p style="text-align: right;">Page 71</p> <p>1 Q. And what are they?</p> <p>2 A. What are --</p> <p>3 Q. What are the long-term effects of heroin</p> <p>4 use?</p> <p>5 A. Primarily related to secondary</p> <p>6 complications of IV -- quite often IV injections. So</p> <p>7 endocarditis from unsterile injections and the</p> <p>8 sequelae of infections related to the injection more</p> <p>9 so than the heroin. There are --</p> <p>10 Q. What you're saying is someone can use a</p> <p>11 dirty needle, for lack of a better word, get an</p> <p>12 infection in their bloodstream, can cause an</p> <p>13 infection to their heart, kill them?</p> <p>14 A. Yes, that's correct.</p> <p>15 Q. Do you have an opinion as to whether or</p> <p>16 not chronic, long-term heroin can cause damage to the</p> <p>17 heart muscle?</p> <p>18 A. I don't have an opinion about that.</p> <p>19 Q. Our expert, Dr. Balko, a forensic</p> <p>20 pathologist, has cited several studies, and I believe</p> <p>21 some of those studies are either attached to his</p> <p>22 report or referenced. Have you read those?</p> <p>23 A. I read his report, yes.</p> <p>24 Q. Did you read the medical studies that</p> <p>25 reflect that in case after case, when they analyze</p>
<p style="text-align: right;">Page 70</p> <p>1 Q. Secondary to long-term heroin use?</p> <p>2 A. Possibly secondary to long-term opiate</p> <p>3 use, yes, from slow motility of the bowel, yes,</p> <p>4 possibly.</p> <p>5 Q. Basically they had a bowel burst, right?</p> <p>6 A. She had bad diverticulitis, which had had</p> <p>7 surgery before, a few months before, and had</p> <p>8 continued to have problems, continued to go to the</p> <p>9 surgeon and such. So I don't know exactly the cause</p> <p>10 of her diverticulitis, but I'm sure it was aggravated</p> <p>11 by her long-term opiate use.</p> <p>12 Q. And did you analyze whether or not Fatima</p> <p>13 Neal's sudden death was secondary to 20-plus years of</p> <p>14 IV heroin use?</p> <p>15 A. I don't believe so.</p> <p>16 Q. Do you know whether or not Fatima Neal's</p> <p>17 heart tissue was analyzed post-death during an</p> <p>18 autopsy?</p> <p>19 A. I don't recall.</p> <p>20 Q. Would you agree that IV heroin use is not</p> <p>21 healthy?</p> <p>22 A. I would.</p> <p>23 Q. That it's bad for the human body?</p> <p>24 A. There are medical long-term effects of</p> <p>25 heroin use.</p>	<p style="text-align: right;">Page 72</p> <p>1 tissue slides of the heart muscle of long-term heroin</p> <p>2 users that died, that shows damage to the heart in a</p> <p>3 consistent pattern?</p> <p>4 A. I did not see studies attached to his</p> <p>5 report.</p> <p>6 Q. Are you aware of any study or any medical</p> <p>7 literature that would suggest that long-term use of</p> <p>8 heroin can cause damage to the heart?</p> <p>9 A. I do believe there are such studies, yes.</p> <p>10 Q. And do you agree or have knowledge that</p> <p>11 the damage that can be caused by long-term heroin use</p> <p>12 can be seen from tissue slides?</p> <p>13 A. I don't have expertise about that or an</p> <p>14 opinion about that.</p> <p>15 Q. You would defer to someone with training</p> <p>16 in that area; would you not?</p> <p>17 A. I'm not an expert in cardiac tissue</p> <p>18 pathology.</p> <p>19 Q. Would it surprise you that long-term</p> <p>20 heroin use would cause damage to the heart?</p> <p>21 A. I believe there are effects to a number of</p> <p>22 organs long term from heroin use.</p> <p>23 Q. Does long-term use of heroin reduce one's</p> <p>24 life expectancy?</p> <p>25 A. It does.</p>



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<p style="text-align: right;">Page 73</p> <p>1 Q. Is there a certain quantifier you can put 2 on that?</p> <p>3 A. No, I cannot quantify it.</p> <p>4 Q. If you were treating someone who was a 5 heroin addict, I presume you would tell them, if you 6 keep this up, you're not likely to live to be an 7 old -- to live into your elderly years, into your 80s 8 and 90s?</p> <p>9 A. They're certainly at a much higher risk of 10 death than someone who does not use IV heroin.</p> <p>11 MR. BYRD: Yeah, I'm going to object to 12 that general statement. Move to strike.</p> <p>13 BY MR. HOJNOSKI:</p> <p>14 Q. What do you -- what can you tell us or 15 what do you know about Martie Clark's preexisting 16 conditions or her health prior to coming to the 17 Hamilton County Justice Center in August of 2014?</p> <p>18 A. Do you mind if I turn to my report?</p> <p>19 Q. Yeah.</p> <p>20 A. I know that she reported a history of IV 21 heroin use for a number of years, and I get that 22 information from her prior Hamilton County Jail 23 records. So I don't know a specific number of years.</p> <p>24 I know that she reported to the Hamilton 25 County Jail staff that she had had a heart attack in</p>	<p style="text-align: right;">Page 75</p> <p>1 report where you said, according to her UC Medical 2 Center records, she had a history of XYZ?</p> <p>3 A. You asked me what I had reviewed. I said 4 I had reviewed her medical records. She went to the 5 emergency department a few times.</p> <p>6 Q. Do you recall gaining anything by way of 7 her medical history from those hospital records?</p> <p>8 A. I recall reviewing that she did not have 9 significant medical problems reported in those 10 conditions. I mean, there was -- there were discrete 11 emergency department visits for discrete events that 12 do not appear to be part of an ongoing pattern or 13 process.</p> <p>14 So there was a car wreck, a strain of a 15 back, a scalp laceration, et cetera, so there were 16 individual emergency department events. And to the 17 best of my recollection, there was not a lot reported 18 about past medical history; so her past medical 19 history was essentially negative, except for those 20 discrete emergency department events.</p> <p>21 Q. Did Martie Clark have a family physician, 22 to your knowledge?</p> <p>23 A. I don't -- I do not know.</p> <p>24 Q. Did she get annual physicals, to your 25 knowledge?</p>
<p style="text-align: right;">Page 74</p> <p>1 2007, and that she reported that she had bipolar 2 disorder. And I reviewed her records from the two 3 hospitals, the -- there's two hospital records, I 4 think University of Cincinnati and perhaps Mercy 5 West, that I reviewed.</p> <p>6 Q. Did you identify in your report everything 7 that you reviewed?</p> <p>8 A. I believe so, but let me -- let me just 9 tell you what I'm -- to which I'm referring. 10 University of Cincinnati Medical Center and Mercy 11 West Hospital records.</p> <p>12 Q. I'm just trying to get to the right part 13 in here.</p> <p>14 A. Page 20.</p> <p>15 Q. There it is, yes. Do you know what years 16 of treatment you reviewed from University of 17 Cincinnati and Mercy West?</p> <p>18 A. I have them here.</p> <p>19 Q. Yeah. Go ahead.</p> <p>20 A. I mean, and I may not be able to tell you 21 the years that they reflect just from -- I have the 22 University of Cincinnati, which -- I've got a '14, 23 and just at quick glance, I see 2010 and later, but I 24 can't -- I mean, I'd be glad to try to figure out --</p> <p>25 Q. I just didn't recall anything in your</p>	<p style="text-align: right;">Page 76</p> <p>1 A. I do not know.</p> <p>2 Q. Did she have health insurance?</p> <p>3 A. I do not know.</p> <p>4 Q. Did she -- was she on any medications?</p> <p>5 A. I believe she reported she was not at the 6 time of her admission to the Hamilton County Justice 7 Center.</p> <p>8 Q. Do you know if she was supposed to be on 9 any medications?</p> <p>10 A. I do not. I believe she reported she was 11 not.</p> <p>12 Q. Do you know if she had previously been on 13 any type of methadone or Suboxone treatments?</p> <p>14 A. I believe that there was a mention in a 15 prior jail record about her taking Suboxone. So I -- 16 but I don't have any records about the specifics of 17 that. I saw a mention of Suboxone in a prior jail 18 record.</p> <p>19 Q. Right. I'm thinking 2012, when she came 20 in, she was -- she reported a history of being clean 21 for a few weeks and on Suboxone; do you recall that?</p> <p>22 A. I believe that is correct, yes.</p> <p>23 Q. Do you know who prescribed her Suboxone?</p> <p>24 A. I do not.</p> <p>25 Q. Did you inquire from Mr. Byrd or from</p>

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<p style="text-align: right;">Page 77</p> <p>1 anyone else as to any prior treatment she would have 2 received for heroin addiction or heroin withdrawal? 3 A. I did ask for what medical records they 4 had available. 5 Q. Did you see any records with respect 6 that -- see any medical record at all that reflected 7 what Martie Clark, how she -- how she reacted to 8 withdrawal of heroin in the past? 9 A. I'm sorry. Ask the question again, 10 please. 11 Q. Are you aware of any medical record that 12 exists that would reflect how Martie Clark reacted to 13 withdrawal of heroin? 14 A. I saw in the Hamilton County Justice 15 Center records where she had previously been treated 16 for heroin withdrawal. 17 Q. Anything outside of the Hamilton County 18 Justice Center? 19 A. Not that I recall. 20 Q. Have you treated individuals who have had 21 multiple relapses of heroin use, and then they detox, 22 and then, you know, it's kind of a roller coaster 23 ride, so to speak? 24 A. Your question is, have I treated patients 25 who have been treated and have relapsed? I'm sorry.</p>	<p style="text-align: right;">Page 79</p> <p>1 value? 2 A. Well, that was part of the record and that 3 was part of the information that I considered, yes. 4 Q. So you accepted that when it was put in 5 the records, that she told a nurse, I've used heroin 6 for several years and take about a gram a day? 7 A. Gram a day, yes. Well, I need to it -- I 8 need to see what her exact language was. I took at 9 face value what her comment was or what her -- what 10 her answer was to the intake nurse, and it was -- I'm 11 going to be there in just a moment. 12 On her receiving screening, I have heroin 13 last -- and then last use today, or the day of 14 admission, and I don't see a quantification there. I 15 believe that I recall the quantification of 16 approximately a gram a day somewhere else. I don't 17 see it right at this point. 18 Q. The record you're referring to right now 19 is her receiving screening on August 1 of '14? 20 A. That's correct. 21 Q. Because she had prior receiving screenings 22 on prior incarcerations at the jail; did she not? 23 A. Yes. None in the approximately seven 24 months. So it had been at least seven months since 25 her last incarceration.</p>
<p style="text-align: right;">Page 78</p> <p>1 Q. Yes, have gone up and down. Where they're 2 on heroin, and then they're off heroin, then they're 3 on heroin, then they're off heroin? 4 A. I've treated patients before who have 5 relapsed, yes. 6 Q. And have you -- in those situations, is 7 the detox or the withdrawal the same every time or is 8 it different? 9 A. It's different. Quite often, it becomes 10 more severe. 11 Q. Do you know how many times Martie Clark 12 had detoxed from heroin in the past? 13 A. I do not. 14 Q. As we sit here today, do you have -- are 15 you basing your review in this case on a certain 16 number of years or dosage or regularity that Martie 17 Clark used heroin? 18 A. Yes. I'm sorry, you said do I have an 19 understanding about what amount of heroin that she 20 used? 21 Q. Yeah. 22 A. I believe that she reported around a gram 23 a day. 24 Q. And is that what you're -- is that -- as 25 you reviewed this case, are you taking that at face</p>	<p style="text-align: right;">Page 80</p> <p>1 Q. When she reported to nursing staff at the 2 jail that she had a prior MI or heart attack, did you 3 accept that as part of her medical history? 4 A. I accepted that she said that, yes. 5 Q. Just like she said, I'm a chronic heroin 6 user? 7 A. Yes. Well, there was -- there were needle 8 marks on her arm. There were needle marks on her 9 arm. I didn't -- so I didn't doubt or -- I accepted 10 that she told them that, it was part of her 11 screening. In other words, there was -- there was 12 other things that would indicate that she was a 13 heroin user, such that there was needle marks. I did 14 not see any records of when she was treated for an MI 15 in any of her prior medical history, or any other 16 mention that she had had an MI in those -- in those 17 hospital records. 18 Q. Would you agree that that is an unlikely 19 piece of medical history for someone just to make up? 20 A. No, I don't know why -- I mean, I 21 don't -- 22 Q. For example, I mean, you know, I'm sure 23 you've seen inmates over the years that make up a 24 prior medical condition or feign symptoms to try to 25 get certain treatment. Is there any reason why an</p>

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<p style="text-align: right;">Page 81</p> <p>1 inmate would say, I had a heart attack eight years 2 ago? I mean, that doesn't -- is there any motivation 3 for an inmate to lie about that? 4 MR. BYRD: Objection. You can go ahead 5 and answer. 6 BY MR. HOJNOSKI: 7 Q. Can you think of a reason why an inmate 8 would be untruthful about having a prior heart 9 attack? 10 A. I don't have any information about that. 11 Q. Did you also note a prior history of 12 addiction or abuse of any other drugs in Martie 13 Clark's past? 14 A. Certainly not at the time of this 15 admission to -- at this admission. 16 Q. On prior admissions? 17 A. Nothing with any consistency. It is -- I 18 believe there may have been a mention of 19 benzodiazepines at one point on one admission, one 20 prior admission, but I did not see any other -- I 21 didn't see any other reference to this. 22 Q. Do you recall a mention that she did 23 Percocet before she went on heroin? 24 A. Yes. I'm sorry, I -- I, perhaps, made too 25 much of a jump. So heroin is an opiate. Most people</p>	<p style="text-align: right;">Page 83</p> <p>1 referenced -- 2 A. I don't know. 3 Q. -- if my memory serves me. 4 A. I'd be glad to look, but I don't know for 5 sure. 6 Q. Is cigarette smoking good or bad for 7 someone that has a history of heart disease? 8 A. I think it's pretty widely accepted in the 9 medical community these days that smoking is not good 10 for anyone, whether they have had a history of 11 smoking or not -- I mean, a history of heart disease 12 or not. 13 Q. Have you had any patients, either in 14 private practice or in a correctional setting, that 15 have had a heart attack? 16 A. Certainly. 17 Q. Have you had any patients who have died 18 from some sudden cardiac event? 19 A. Have I ever, in my career, had a patient 20 who has died? 21 Q. Yes. 22 A. Absolutely. 23 Q. And has that happened a lot? 24 A. Fortunately not a lot, but, I mean -- 25 Q. Heart disease is one of the leading causes</p>
<p style="text-align: right;">Page 82</p> <p>1 who are heroin addicts began with -- began to at 2 least use prescription opiates sometime along the 3 way. So that would be a -- I presumed that as part 4 of my -- I'm sorry, that was a presumption. 5 Q. Get someone hooked on it? 6 A. That's right. I mean, that was -- 7 Q. But then prior to that, you believe there 8 was also an issue with benzo? 9 A. I didn't say there was an issue. 10 Q. Oh. 11 A. No, I didn't say there was an issue. I 12 thought I saw a reference once to benzo, one time in 13 the record, which I don't consider to be an issue 14 if -- only once in a long record. 15 Q. Marijuana use, alcohol use, did you see 16 any reference to that? 17 A. I did not see anything that would, as you 18 just said, would raise to the level of an issue, I 19 didn't see. I'm not going to say there was no 20 mention of it in there at all, but certainly not that 21 would appear to me to be an abuse or dependence 22 issue. 23 Q. Martie Clark was a smoker? 24 A. She was. 25 Q. Pack a day, I think, is what's</p>	<p style="text-align: right;">Page 84</p> <p>1 of death in this country; is it not? 2 A. It is. 3 Q. And the experiences that you have had, has 4 it been from a myocardial infarction or from sudden 5 cardiac arrest or from some other type of arrhythmic 6 event? 7 A. I've never done a study on -- I can't tell 8 you what the cause of their sudden cardiac -- 9 Q. Do you understand the difference between a 10 sudden cardiac arrest and an MI, or what otherwise is 11 referred to as a heart attack? 12 A. Absolutely. 13 Q. And what do you understand the difference 14 to be? 15 A. Well, an MI is when -- so there are 16 coronary arteries which feed the blood supply to the 17 heart muscle. There's three main ones. When one of 18 those arteries becomes blocked, either by a narrowing 19 of that artery or by some combination of narrowing 20 and then a blood clot to go in there, and the artery 21 is blocked, that creates a heart attack, an MI. That 22 causes a couple of things. 23 Number one, the tissues downstream from 24 that die, and that's what a myocardial infarction is, 25 is a dying of tissue downstream to where that</p>

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<p style="text-align: right;">Page 85</p> <p>1 blockage is. In conjunction with that dying heart 2 muscle, that heart muscle becomes more irritable, if 3 you will, and you can die of an arrhythmia in that 4 setting. 5 So in conjunction with a heart attack, a 6 myocardial infarction, there's a blockage to an 7 artery. There's death of tissue downstream, and you 8 can die of an arrhythmia. Sudden cardiac death could 9 or could not occur in conjunction with a myocardial 10 infarction. When it doesn't occur in conjunction 11 with a myocardial infarction, it often occurs in the 12 setting of only narrowing of the arteries and not 13 a -- not a heart attack, so not death of tissues, but 14 the narrowing of the arteries. 15 Q. Are you aware that individuals can have 16 sudden cardiac death due to sudden cardiac arrest and 17 have no narrowing, no blockage, or no signs of any 18 type of an infarct? 19 A. I believe that -- I believe that that can 20 occur. I believe it's much less likely than in 21 individuals who have narrowing of their coronary 22 artery disease. 23 Q. Doctor, isn't that the reason that we have 24 defibrillators in schools, airports, airplanes, 25 gymnasiums, because people can have sudden electrical</p>	<p style="text-align: right;">Page 87</p> <p>1 Q. Accepting the medical history that Martie 2 Clark gave at the jail on one or more occasions, that 3 she had a prior heart attack in 2007, that would 4 suggest, would it not, that she had what she 5 interpreted as a heart attack, taking her words at 6 face value, at the age of approximately 30 to 31 7 years old? 8 A. That is what she -- 9 MR. BYRD: Objection. Go ahead. 10 THE WITNESS: That is what she said, yes. 11 BY MR. HOJNOSKI: 12 Q. And someone at that young age who has a 13 heart condition, does that suggest perhaps some type 14 of congenital defect or other type of abuse to the 15 body? 16 MR. BYRD: Objection. 17 THE WITNESS: No, I don't have an opinion 18 about that. 19 BY MR. HOJNOSKI: 20 Q. Do you know if Martie Clark had any prior 21 overdoses? 22 MR. BYRD: Objection. I don't think it 23 has been established she had an overdose. 24 MR. HOJNOSKI: I don't know if it has 25 either. I'm asking this expert if he knows one</p>
<p style="text-align: right;">Page 86</p> <p>1 disturbances in their heart, and unless there's a 2 shock that is given in a short period of time, that 3 they die? 4 A. Yes. 5 Q. That's in the absence of any type of 6 narrowing of the blood vessels or heart vessels or an 7 infarct of one of those major arteries, isn't that 8 true? 9 A. I'm not a cardiologist, and I don't have 10 the -- I don't know the statistics, but I believe 11 that it occurs much more likely -- it's much more 12 likely to occur if you have narrowing, and much less 13 likely to occur in the absence of narrowing. 14 Q. Do you know what other type of cardiac 15 arrhythmias an individual can have that can lead to 16 sudden death? 17 A. Yes. There are a number of congenital -- 18 I mean, there are a number of arrhythmias that can 19 cause sudden cardiac death. So a number of 20 arrhythmias which arrive -- which arise from 21 different parts of the heart, some from the top part 22 of the heart, some from the bottom of the -- part of 23 the heart, but it can -- there are a number of rhythm 24 disturbances which can occur and which you can die 25 from, yes.</p>	<p style="text-align: right;">Page 88</p> <p>1 way or the other. 2 THE WITNESS: I'm not aware of any 3 instances. 4 BY MR. HOJNOSKI: 5 Q. Tell me when you were first retained in 6 this case and how you were retained. 7 A. I was retained -- I was retained 8 approximately in November, I want to say. I could be 9 wrong on the month, but a few months ago, in the -- 10 in the fall. 11 Q. Your report is dated -- it's not dated. 12 A. My report -- do you want to see -- what 13 day is it filed? What day is it? 14 Q. Well, this is the day it was filed in the 15 court. It was filed on November 15th, I believe 16 served to us on that same day. 17 A. Okay. 18 Q. Do you know when your report was drafted 19 and finalized? 20 A. It was finalized -- it was finalized 21 shortly before -- on that day or shortly before, and 22 I was retained -- I don't recall exactly, but a few 23 weeks prior to that. 24 Q. Were you retained by e-mail, by phone, by 25 letter, if you know?</p>



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<p style="text-align: right;">Page 89</p> <p>1 A. I'm certain that I had a phone 2 conversation with Mr. Byrd. I don't recall if -- 3 initially if I was e-mailed or if I was called, I 4 don't recall what was the initial contact. 5 Q. When you're retained as an expert, do you 6 always know the outcome before you start your review? 7 A. Absolutely not. 8 Q. I don't mean the outcome of the case, I 9 mean the outcome of an individual. 10 A. Oh, I'm sorry, say this again. 11 Q. When you review a medical case, and you're 12 assessed presumably in almost every circumstance in a 13 medical case to look at the care and treatment that 14 was provided by the medical staff, correct? 15 A. Right. 16 Q. And when you are doing that review, do you 17 typically know the outcome of that patient? 18 A. Well, in this case specifically, but in 19 cases in general, I typically would know that the 20 person died. I typically would review the jail 21 records prior to knowing what the autopsy results 22 are, if that's what you're referring to. So in this 23 case -- which is what I did in this case, so I knew 24 that the person had died. I knew Ms. Clark had died. 25 Q. So as you are going through -- and that</p>	<p style="text-align: right;">Page 91</p> <p>1 A. Well, perhaps -- I'm typically contacted 2 by plaintiff's attorneys earlier in the -- I mean, 3 earlier in the process, before -- I mean, so there's 4 potentially 18 months worth of time that's going to 5 pass by before there's going to be any report 6 required or anything like that. 7 Q. And usually when you're probably retained 8 by a defense lawyer, there, you know -- 9 A. There's an upcoming deadline. 10 Q. -- 30 days, or, yeah, I've got to get a 11 report out? 12 A. There's a deadline coming. 13 Q. All right. Have you ever had a patient 14 die from heroin withdrawal? 15 A. No. 16 Q. You paused for a minute. Just thinking, 17 or was there a case that was close, or -- 18 A. Well, no. So I've worked in emergency 19 departments. I've had a -- I have a 175 bed drug and 20 alcohol treatment facility that we've never had a -- 21 we did not have a death in our facility. 22 I did send people out -- we sometimes send 23 people out who die of withdrawal, I mean -- or not 24 necessarily of withdrawal, but as a for instance, an 25 alcoholic with severe liver disease who winds up</p>
<p style="text-align: right;">Page 90</p> <p>1 was just simply going to be my question. When you're 2 going through the information, you knew that this 3 inmate or that this patient, this individual, Martie 4 Clark, had passed away? 5 A. I did. 6 Q. And do you think that colors your view of 7 the facts as you go through them? 8 A. I do not believe it does. 9 Q. Backing up for a minute. The cases that 10 we went through from your testimonial list, and then 11 the one additional one, the Neal case that we 12 discovered, those all seem to be defense expert 13 cases, all the medical cases? 14 A. No. The one that we discussed -- 15 Q. The last case, the last -- 16 A. I think so. 17 Q. You said before it was roughly 30/70? 18 A. That's right. 19 Q. Is it to say that you're more often 20 deposed or give sworn testimony in the defense cases? 21 A. Well, that's what it appears from that 22 case list, but that's -- that's not the reality 23 probably. 24 Q. Just in the last four years, that's the 25 way it has played out?</p>	<p style="text-align: right;">Page 92</p> <p>1 going to the hospital. And I was trying to recall if 2 I had sent someone out who had had heroin and was 3 being treated for heroin withdrawal and died at the 4 hospital of something, and -- but I don't -- not that 5 I can recall. 6 Q. Presumably those that come to your 7 treatment facility addicted to heroin or other 8 opioids, when they leave, they're not actively 9 withdrawing? 10 A. That would be the goal. 11 Q. And if they leave on buprenorphine, they 12 would -- they likely wouldn't be withdrawing because 13 they're still getting some daily amount of opioid; is 14 that correct? 15 A. Yes, but I don't -- yes, but we have an 16 absence-based treatment program; so I don't discharge 17 people. 18 Q. So you do the tapering system the same in 19 your facility? 20 A. That's correct. 21 Q. What's the average length of stay 22 inpatient? 23 A. Well, our regular adult program is 30 24 days. Our young adult program, 45 days. 25 Q. And then do you do outpatient programs as</p>



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<p style="text-align: right;">Page 93</p> <p>1 well?</p> <p>2 A. That's right.</p> <p>3 Q. What --</p> <p>4 A. Sober Living and Intensive Outpatient.</p> <p>5 Q. So that's psychotherapy counseling, it's</p> <p>6 not methadone or Suboxone?</p> <p>7 A. Typically. I mean, we are an</p> <p>8 absence-based program. I don't mean to imply that we</p> <p>9 have never used buprenorphine or that I haven't -- I</p> <p>10 have never used methadone. You have to be a</p> <p>11 federally regulated methadone clinic.</p> <p>12 Q. Okay.</p> <p>13 A. I have, on occasion, in conjunction with</p> <p>14 patients and families, decided that buprenorphine was</p> <p>15 a -- what we call a harm reduction model. So in</p> <p>16 other words, a person has almost died four times of a</p> <p>17 heroin overdose.</p> <p>18 In a three-month period, it might be safer</p> <p>19 to leave them on buprenorphine for the next year or</p> <p>20 two, because it's just too dangerous, have too high</p> <p>21 of a risk of overdose. So we do use it, but it is</p> <p>22 not our standard treatment modality.</p> <p>23 Q. Have you had patients that have died from</p> <p>24 heroin overdose, like they've relapsed or --</p> <p>25 A. Not -- certainly, absolutely, I've had</p>	<p style="text-align: right;">Page 95</p> <p>1 A. If -- I do not know a specific -- you're</p> <p>2 talking about malnourishment, as opposed to</p> <p>3 dehydration?</p> <p>4 Q. Yes.</p> <p>5 A. No, I don't know. It is on the order of</p> <p>6 certainly weeks.</p> <p>7 Q. Do you know what comes first with someone</p> <p>8 who is not getting food and water, dehydration or</p> <p>9 malnourishment?</p> <p>10 A. Dehydration is a much -- is a much faster</p> <p>11 process than malnourishment.</p> <p>12 Q. How long does it take for someone to</p> <p>13 become dehydrated, if there is a general rule?</p> <p>14 A. I don't think that there is a general</p> <p>15 rule, because there are two parts to dehydration,</p> <p>16 input -- input and output. Therefore, a person who</p> <p>17 has substantial output, such as vomiting and</p> <p>18 diarrhea, would become dehydrated much faster than</p> <p>19 someone who was just not drinking water. So it would</p> <p>20 all depend on what the losses were in addition to the</p> <p>21 intake.</p> <p>22 Q. Have you treated patients that have become</p> <p>23 dehydrated?</p> <p>24 A. Certainly. I have treated patients who</p> <p>25 were becoming dehydrated or were already dehydrated,</p>
<p style="text-align: right;">Page 94</p> <p>1 patients who I have treated before who have gotten</p> <p>2 out of our facility and died of a heroin overdose,</p> <p>3 yes.</p> <p>4 Q. Right.</p> <p>5 A. Never -- I have never had an overdose in</p> <p>6 one of my facilities.</p> <p>7 Q. While they're doing an inpatient program</p> <p>8 or something like that?</p> <p>9 A. That's right.</p> <p>10 Q. What about someone that's continuing to</p> <p>11 get outpatient therapy or counseling, has anyone</p> <p>12 relapsed and died as a part of that process or while</p> <p>13 going through that process?</p> <p>14 A. Not that I'm aware of. I believe we may</p> <p>15 have had somebody, like, walk off from our Sober</p> <p>16 Living and died, I mean, you know, within a few days,</p> <p>17 but I don't consider them actually in our program.</p> <p>18 Q. Have you ever had a patient die from</p> <p>19 dehydration?</p> <p>20 A. Not that I'm aware of.</p> <p>21 Q. Have you ever had a patient die from</p> <p>22 malnourishment?</p> <p>23 A. Not that I'm aware of.</p> <p>24 Q. Do you know how long it takes someone to</p> <p>25 become malnourished?</p>	<p style="text-align: right;">Page 96</p> <p>1 yes, I have.</p> <p>2 Q. And typically if someone is unable to keep</p> <p>3 fluids down, are they unable to keep solid foods down</p> <p>4 as well?</p> <p>5 A. Typically if a person is not able to keep</p> <p>6 even liquids down, they would not be able to keep</p> <p>7 foods down also, that is correct.</p> <p>8 Q. What are the signs of dehydration?</p> <p>9 A. Those are pretty variable, depending on</p> <p>10 the -- what age of the patients you're talking about,</p> <p>11 a child, an elderly person, an adult -- a middle</p> <p>12 range adult. And so those all depend and depend on</p> <p>13 the severity of dehydration. So there are things</p> <p>14 that one can look for. They may or may not be</p> <p>15 present in individual cases.</p> <p>16 Q. By and large, a physician or nurse</p> <p>17 diagnoses a patient with being dehydrated from</p> <p>18 physical assessment, correct?</p> <p>19 A. Physical assessment and lab assessment.</p> <p>20 Q. But in the absence of, you know, immediate</p> <p>21 lab results, you typically talk to the person, ask</p> <p>22 them questions, assess what their skin color is, take</p> <p>23 other information in terms of maybe the color of</p> <p>24 their urine, how much they're drinking, those types</p> <p>25 of things, correct?</p>

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<p style="text-align: right;">Page 97</p> <p>1 A. Those are all a part -- important parts of 2 the history, yes. 3 Q. When Martie Clark came into the Justice 4 Center on August 1st, do you know what her 5 nutritional levels were at that point time? Do you 6 know if she had been regularly eating and drinking 7 fluids? 8 A. I believe with regards to her nutritional 9 level, I believe we have a -- I believe that her 10 vital sign thing says what her body mass index is, 11 which would give some indication of her weight and 12 her height. 13 Q. Right. 14 A. And let me try and see if I can turn to 15 where that is. But I did -- I did not see in the 16 receiving screening other comment, I don't believe, 17 about her nutritional status overall, although I -- 18 except to the extent that I saw her described as 19 thin. 20 Q. What was her height and weight? 21 A. I'm working on it. Height was five feet, 22 nine inches, weight 150 pounds, and a body mass index 23 of 22, which is within the normal range. 24 Q. So she wasn't -- she wasn't thin? I mean, 25 she was just normal height and weight?</p>	<p style="text-align: right;">Page 99</p> <p>1 weighed upon autopsy? 2 A. Right. And -- well, not only that, but 3 they're different scales. She wasn't weighed on the 4 autopsy scale. They weren't necessarily calibrated 5 to each other, even if she was weighed. 6 Q. Did you review any photographs of Martie 7 Clark either in her jail cell or as part of the 8 autopsy? 9 A. I did. 10 Q. And did you have any opinions based on 11 your review of those photos in terms of what her body 12 looked like, in terms of body mass -- what we're 13 talking about now? 14 A. She appeared to be thin to me. 15 Q. Thin, okay. Do you know historically what 16 her weight was? 17 A. I do not. I'm sorry, that page I was just 18 on with the vital signs has historical numbers on it 19 from prior incarcerations; so I do know. I mean, I 20 want to say that I saw 150 down through there, 21 similar numbers. I'm sorry, I -- let me find it, and 22 I bet I can tell you, but -- so, yes, I do know 23 something about her historical weight was in the 150 24 range. 25 Q. Do you have any information about her</p>
<p style="text-align: right;">Page 98</p> <p>1 A. I don't have a little chart in front of 2 me, but five feet, nine inches, 150 pounds, and a BMI 3 of 22, to the best of my knowledge, best of my 4 recollection, is normal height and weight. So 5 it's -- she's tall for a female, I believe that's 6 higher than -- I mean, taller than your average 7 female, but -- I believe, I can't say for sure. 8 Q. As part of your report, it appears as 9 though that you're of the belief that she was not 10 keeping anything down during her incarceration; is 11 that right? 12 A. I believe she had significant vomiting and 13 diarrhea during her incarceration, yes. 14 Q. How many pounds did she lose? 15 A. Let's go to her -- I want to say her 16 weight was 136 upon her -- just a moment. Let me see 17 what she weighed on -- at the autopsy. 131.5. So if 18 you were presuming that both of those numbers were 19 correct, that would be 18.5 pounds. 20 Q. Do you know if she estimated her weight, 21 or if she was weighed when she came to the Justice 22 Center? 23 A. I do not know. 24 Q. And that's why you said assuming those 25 things are accurate numbers, correct, because she was</p>	<p style="text-align: right;">Page 100</p> <p>1 input of liquids or food while she was at the jail? 2 A. To the best of my knowledge, it wasn't 3 recorded. So we don't have that. 4 Q. Based on your review, did you see anything 5 that related to, you know, mealtime, when she was at 6 the jail, whether she was eating her breakfast, 7 lunch, and dinner, or not? 8 A. I did not. 9 Q. Did you see anything that reflected the 10 amount of liquids that she was consuming? 11 A. I didn't see where that was recorded. 12 Q. Did you see a reference from any of the 13 correction officers or medical staff in terms of what 14 she was drinking or if she was able to keep down food 15 or liquids over those days? 16 A. I did not -- certainly not on any serial 17 basis. I believe I saw one or two reference -- or at 18 least one reference, I recall, you know, given fluid 19 or something like that, but that is a statement about 20 being provided fluid, not about intake. So I 21 don't -- I did not see a reference to -- I'm not 22 going to say there's not an individual reference in 23 there, in the record somewhere, but certainly there's 24 no serial record and there's no quantitation. 25 Q. Certainly it's not the norm, or I'm sure</p>

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<p style="text-align: right;">Page 101</p> <p>1 you don't do it in your facility, to measure 2 input/output of fluids of an inmate at a county jail? 3 A. It certainly can be done. I believe that 4 what is the standard is some measure of the person's 5 taking in amount of fluid. So the output is a much 6 more difficult number to measure, but I do expect my 7 nurses, and I would expect nurses in general, to make 8 a quantitation of the amount of fluids that a person 9 was taking, or at the very least, the amount that was 10 provided, electrolyte -- and what type of product 11 that was, electrolyte replacement solution or other 12 such. 13 Q. Is there certain protocols that you 14 utilize at your facility with respect to giving 15 fluids to inmates? 16 A. There is not in writing, but we do have 17 certain procedures that we follow, such as the 18 provision of ad-lib, meaning we keep a -- meaning we 19 keep a pitcher of replacement solution or an 20 availability of Gatorade or Powerade, one of the 21 electrolyte replacement solutions, and keep that 22 filled on a regular basis. 23 Q. What are the signs or symptoms that 24 someone, you know, needs more fluids, needs some 25 electrolytes?</p>	<p style="text-align: right;">Page 103</p> <p>1 skin. Then there are later signs, capillary refill 2 signs, vital signs, change signs, those are later 3 signs that come along, but all of them would likewise 4 come along. 5 Q. Color of urine, is that a sign of 6 dehydration? 7 A. Not in and of itself. It is a sign of the 8 concentration of one's urine, but one can have 9 concentrated urine and not be dehydrated. 10 Q. Okay. 11 A. Or on the other hand, one can be unable to 12 concentrate the urine and be -- urinating too diluted 13 urine and becoming dehydrated with diluted urine; so 14 it's not necessary. 15 Q. Anything in the record that you saw that 16 suggested that Martie Clark was profusely sweating or 17 perspiring a lot during her incarceration? 18 A. It would be one of the normal signs and 19 symptoms of opiate or heroin withdrawal. And I don't 20 recall that it is one of the items that is -- I don't 21 recall it being on the detox assessment forms. 22 Q. As a box to check or something? 23 A. That's right. And I don't remember it 24 being described in the text. There was -- on the day 25 of her death, there was -- there was mention about</p>
<p style="text-align: right;">Page 102</p> <p>1 A. Well, the most important sign is that 2 they're having losses of those fluids. So in other 3 words, they're having vomiting and diarrhea by the -- 4 by having losses of fluids via vomiting, diarrhea, 5 insensate losses, meaning sweating, and the more that 6 a person is doing of those things, the more they are 7 likely they would need fluids, need replacement of 8 them. I'm not -- I can't remember now exactly what 9 your question was. 10 Q. Just what the signs and symptoms were that 11 someone is either becoming dehydrated or needs more 12 fluids. What do you look for? 13 A. Okay. So as I told you, that, I guess, 14 was the first part of that. 15 Q. Are you vomiting, or are you having 16 diarrhea? 17 A. The amount of -- the amount of loss, or 18 are you sweating? 19 Q. Or sweating. 20 A. Sweating profusely. 21 Q. Right. 22 A. Then, in addition to that, physical signs 23 on physical examination, such as the status of the 24 mucus membranes, whether the membranes are dry, 25 status of the skin, whether there's tenting of the</p>	<p style="text-align: right;">Page 104</p> <p>1 her clothes being wet, but I don't know that that was 2 related to sweating or what it was related to. 3 Q. Okay. 4 THE WITNESS: May I ask that we take a 5 break? 6 MR. HOJNOSKI: Yes. And I should have -- 7 I usually try to do that every hour-and-a-half 8 or so. So we've been going two hours almost. 9 Go off the record. 10 (A recess was taken from 3:37 to 3:45.) 11 MR. HOJNOSKI: Back on the record. 12 BY MR. HOJNOSKI: 13 Q. Doctor, I just want to make sure that I 14 know everything that you have looked at and reviewed 15 up until this point in time. Feel free to direct me 16 to your report, and if there's anything in addition, 17 please just let me know. 18 A. Okay. If you will turn to page 20 in my 19 report, I have a couple of comments about a couple of 20 those items. With regards to the investigative 21 report, I reviewed -- I believe that would be an 22 Internal Affairs investigation report. I have not 23 reviewed any NaphCare quality assurance QI process. 24 This -- you're welcome to look at what I 25 have reviewed in the way of an investigative report.</p>

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<p style="text-align: right;">Page 105</p> <p>1 I have since this received and reviewed a -- I 2 believe it's a county -- a county expert report, I 3 can tell you, which is not on this list right here. 4 I can tell you the name of that first. I believe it 5 was Kay Wild, W-i-l-d. 6 There was also a county listing of the 7 medical examiner, but the report was really just the 8 autopsy report, which is in here. And I believe that 9 is the only additional document beyond what is here. 10 And I need to make a correction in that 11 the NaphCare policies and procedures for Hamilton 12 County, I requested -- I mean, I wanted them, and I 13 did not -- all I have reviewed is the intoxication 14 withdrawal and detoxification protocol. I have not 15 reviewed other -- that's an error. I did not review 16 the entire policies and procedures. 17 Q. You were -- is that it? 18 A. To the best of my knowledge, that's -- I 19 haven't received any additional records. 20 Q. You were disclosed and identified as a 21 rebuttal plaintiffs' expert. It's not entirely clear 22 to me what you're rebutting, but if you have a sense 23 of that, maybe you could tell us. 24 A. I don't have any information, other than 25 the -- other than the -- to comment on the reports of</p>	<p style="text-align: right;">Page 107</p> <p>1 Dr. Balko made based, in part, on his review of I 2 think recut tissue slides, you don't, I presume, 3 have -- you haven't seen the slides, you -- that's 4 outside of your area of expertise? 5 A. I was not retained for that purpose and 6 have no opinion about that. I was not asked nor 7 would I -- would I form an opinion about that. 8 Q. And to the extent that Dr. Balko's 9 opinions are supported in part by any medical 10 literature, that's not literature you looked at or -- 11 and, therefore, are not in a position to comment on 12 one way or the other as we sit here today? 13 A. You're talking about tissue pathology? 14 Q. Yes. 15 A. As opposed to clinical care? 16 Q. Yes. 17 A. No, I have not reviewed the literature and 18 am not familiar with nor an expert in that area. 19 Q. You would concede, I assume, that a 20 forensic pathologist is in a better position to 21 determine cause of death than you are? 22 MR. BYRD: Objection. 23 THE WITNESS: No, I would not concede 24 that. 25 BY MR. HOJNOSKI:</p>
<p style="text-align: right;">Page 106</p> <p>1 the other -- I'm sorry, of the NaphCare disclosed 2 defendants. 3 Q. Have you spoken or communicated in any way 4 with Dr. Santoro or Dr. Laposata, who are also 5 identified as experts for the plaintiff in this case? 6 A. I have not. 7 Q. You've read their reports and that's it? 8 A. That's correct. 9 Q. Have you ever interacted with them on any 10 other cases? 11 A. Not to the best of my knowledge. 12 Q. You are certainly not, to your knowledge, 13 retained or being proffered as an expert in rebuttal 14 to Dr. Balko, our pathology expert? That wouldn't be 15 something you would be rebutting, because you're not 16 a pathologist, correct? 17 A. Well, I was not specifically -- you are 18 correct, I am not a pathologist. I -- certainly to 19 the extent that he opines about care within the jail 20 and/or the cause of death, I certainly -- I mean, I 21 certainly offered an opinion about and believe I'm 22 qualified to give an opinion about the cause of death 23 as it -- or comment upon the autopsy report and the 24 cause and circumstances of her death. 25 Q. In terms of the pathological findings that</p>	<p style="text-align: right;">Page 108</p> <p>1 Q. Tell me why. Isn't that what that field 2 of specialty is dedicated to 100 percent? 3 A. The reason that I would say that I am -- 4 that a forensic pathologist is not necessarily in a 5 better position to know the cause of death is that 6 they may or may not have the clinical information 7 about what actually happened to the person. So they 8 are -- you know, they have performed an autopsy. 9 They have determined pathologic findings, but a 10 clinical person or an emergency physician or -- 11 specifically in my case -- might be in a better 12 position to know about the clinical circumstances 13 surrounding a -- so -- about the clinical 14 circumstances surrounding a death. 15 Q. When is the last time you worked in an 16 emergency room? 17 A. I -- I presume you are quantifying that to 18 mean an emergency room specifically, as opposed to an 19 Urgent Care or some other type of -- other type 20 of -- 21 Q. Yeah, that's correct. That's correct. 22 A. Okay. More than ten years. 23 Q. Have you worked in Urgent Care facilities? 24 A. Yes. 25 Q. More recently?</p>



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<p style="text-align: right;">Page 109</p> <p>1 A. Yes.</p> <p>2 Q. How do you distinguish Urgent Care from</p> <p>3 emergency room? We all know they're not -- they</p> <p>4 don't have quite the level of care, but --</p> <p>5 A. Well, in Mississippi, we don't have</p> <p>6 freestanding emergency departments. So the easiest</p> <p>7 way is it's not -- it's not a hospital building.</p> <p>8 Q. Right.</p> <p>9 A. I mean, that --</p> <p>10 Q. Right, okay. I want to go back to just</p> <p>11 signs and symptoms of dehydration. What I primarily</p> <p>12 heard from you to this point is that the primary</p> <p>13 signs or symptoms relate to one's ability to -- well,</p> <p>14 relate to one's history of losing fluids, either</p> <p>15 through diarrhea, vomiting, or profuse sweating or</p> <p>16 perspiration?</p> <p>17 A. That would be the -- that would be the</p> <p>18 outlet portion of dehydration, yes.</p> <p>19 Q. In terms of physical signs of dehydration,</p> <p>20 can you go over those with me? You've touched on it</p> <p>21 a little bit, but to the extent you have not included</p> <p>22 something?</p> <p>23 A. Dry membranes, sunken eyes, or -- I'm not</p> <p>24 certain that I -- that -- I am not certain how</p> <p>25 reliable that sign is, but it is often -- sunken</p>	<p style="text-align: right;">Page 111</p> <p>1 are more subtle, such as narrowing of the pulse</p> <p>2 pressure, which is the two numbers becoming closer</p> <p>3 together first.</p> <p>4 Q. When someone is detoxing from opioids, I</p> <p>5 think you said earlier that -- I said, is that like</p> <p>6 the flu? And I think you said really bad flu or</p> <p>7 worse than the flu is I think how you described it.</p> <p>8 A. A bad case of it.</p> <p>9 Q. Bad case of the flu. So what do you</p> <p>10 expect to see signs and symptom wise of someone who's</p> <p>11 detoxing from opioids? I've had children and I've</p> <p>12 had the flu, we've all had the flu. I mean, we look</p> <p>13 pretty sick, right?</p> <p>14 A. So, first of all, this is a -- I don't</p> <p>15 mean to sound like a school teacher or mince words,</p> <p>16 but I like to use the term "withdrawing." So</p> <p>17 detoxing -- I mean, detoxing is you're undergoing a</p> <p>18 process of treatment for withdrawal. Withdrawal is</p> <p>19 the more correct symptom.</p> <p>20 Q. Okay.</p> <p>21 A. So someone who is withdrawing from heroin,</p> <p>22 what we mentioned -- I mentioned a list of symptoms</p> <p>23 before that one would expect, vomiting, diarrhea,</p> <p>24 sweating, runny nose, runny eyes, muscle aches, bone</p> <p>25 aches. So I would expect those, and then I maybe</p>
<p style="text-align: right;">Page 110</p> <p>1 eyes, dry membranes, skin tenting. Then as you go --</p> <p>2 as you go further along, capillary refill being</p> <p>3 slowed, mentation being slowed. So in other words,</p> <p>4 someone's thought or mental status are not normal,</p> <p>5 abnormal vital signs.</p> <p>6 Q. Specifically?</p> <p>7 A. Specifically the -- normally the first</p> <p>8 change that one sees normally would be an increase in</p> <p>9 elevated heart rate that occurs before, you know.</p> <p>10 Later signs is a drop in the blood pressure.</p> <p>11 Q. And what would qualify as elevated heart</p> <p>12 rate?</p> <p>13 A. The typical -- the typical range of pulse</p> <p>14 that is considered normal in an adult, and we're</p> <p>15 speaking only of adults here, because children have</p> <p>16 entirely different ranges, but typically is 60 to</p> <p>17 100.</p> <p>18 Q. And what would qualify as a below, lower</p> <p>19 than normal blood pressure?</p> <p>20 A. Well, the typical number that would be --</p> <p>21 one would see in the literature would be the top</p> <p>22 number, the systolic number of 90 or so, 90 -- less</p> <p>23 than 90, 90 or less.</p> <p>24 Q. Okay.</p> <p>25 A. But certainly there are other changes that</p>	<p style="text-align: right;">Page 112</p> <p>1 missed out on the rest of your question, was what</p> <p>2 symptoms would you expect to see, so those.</p> <p>3 Q. Well, you said, I think, if we're clear,</p> <p>4 withdrawal from opioids is like a bad case of the</p> <p>5 flu?</p> <p>6 A. That's right.</p> <p>7 Q. You agree on that. And so, therefore,</p> <p>8 what you would expect to see in someone who was</p> <p>9 withdrawing from opioids is flu-like symptoms?</p> <p>10 A. Right.</p> <p>11 Q. Tired, malaise, body aches, vomiting,</p> <p>12 diarrhea?</p> <p>13 A. Correct.</p> <p>14 Q. Low energy?</p> <p>15 A. Correct. All of those things.</p> <p>16 Q. Temperature?</p> <p>17 A. You would not expect to see a change in</p> <p>18 temperature, no.</p> <p>19 Q. Any abnormal vital signs when one has</p> <p>20 flu-like symptoms or withdrawal symptoms?</p> <p>21 A. You -- so it would not be abnormal to</p> <p>22 see -- would not necessarily be abnormal, I should</p> <p>23 say, to see an elevated heart rate, even in the</p> <p>24 absence of dehydration. It would not be out of the</p> <p>25 realm of possibility to have an elevated heart rate</p>



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<p style="text-align: right;">Page 113</p> <p>1 and/or the possibly of elevated blood pressure as a 2 result of the withdrawal itself. 3 Q. That's with -- that's true with withdrawal 4 of most drugs; is it not? 5 A. In general. 6 Q. Alcohol or something? 7 A. A stressful situation, yes. 8 Q. Dr. Laposata, one of the experts retained 9 by the plaintiff, in her report indicated that she 10 believed that Martie Clark had stress put on her 11 heart. Do you recall reading that? 12 A. I recall -- I vaguely recall that. I 13 don't have -- I can't turn to it specifically. I was 14 turning to her report. If you would like to direct 15 me to a particular area, I'd be glad to look at it. 16 Q. I'll pull it up on my computer in a 17 minute, but I just wanted to simply ask that as a 18 formation of my question of does withdrawal from 19 opioids put stress on the heart, just the fact of the 20 body withdrawing? 21 A. I don't know that I would call it stress 22 on the heart. It is a physiologic -- withdrawal is a 23 physiologic stressor, yes, on the body in general. 24 So, I mean, the heart is one of the organs in the 25 body that is undergoing a physiologic stress during</p>	<p style="text-align: right;">Page 115</p> <p>1 Q. Do you have any information that Martie 2 Clark's membranes or skin were dry during her days of 3 incarceration? 4 A. To the best of my recollection, that was 5 not included in the assessment forms that were filled 6 out, and I did not see that the nurses made comment 7 on that one way or another in their -- in their 8 free-text notes, aside from that. 9 Q. To the extent that the Justice Center 10 records, NaphCare records, would reflect observations 11 that her skin was warm and moist, would you take 12 issue with that? 13 A. If you could point me to where that -- or 14 perhaps I could turn to that section and see. 15 Q. And I'm happy to do that, it's just we 16 can -- the records are going to be what the records 17 are. 18 A. Well, I would -- what I would say about 19 that is if that is notated at one particular point in 20 time, it is a -- it is a point in time, and I 21 wouldn't take issue with that at that point in time, 22 but I would not say that that generalizes to other 23 points in time. 24 Q. To go back to my first question, do you 25 have any information from the record that her skin</p>
<p style="text-align: right;">Page 114</p> <p>1 withdrawal, yes. 2 Q. I think we have covered the fact that as 3 the record is today, you don't have any information 4 one way or the other in terms of what type of food 5 Martie Clark was eating during her days of 6 incarceration? 7 A. I don't recall any specific note regarding 8 her food intake, or that it was recorded, or that it 9 was recorded by anyone. And I did not see any, if 10 such exists, correctional officer logs, because 11 sometimes there are correctional officer logs in a 12 facility regarding a person's intake, or whether the 13 person ate food or not, and I did not see any in this 14 case. 15 Q. Do you have any information from her 16 family or friends or anything that maybe had phone 17 contact with her during her days of incarceration? 18 A. I don't have information about that except 19 to the extent that there -- it was my understanding 20 from the investigative report, I believe, that there 21 was a visitor which came to see Ms. Clark around the 22 time of her death. 23 Q. But there wasn't -- did that visit occur, 24 to your knowledge? 25 A. To my knowledge, it did not.</p>	<p style="text-align: right;">Page 116</p> <p>1 was dry? 2 A. I don't recall seeing that -- I do not 3 recall seeing that entered in her records. 4 Q. Any indication that her membranes were 5 dry? And why don't you clarify what you mean by 6 membranes. 7 A. So the skin is pretty obvious, it's the 8 skin on the outside of your body. The membranes are 9 most commonly inside of your mouth. So the mucosa on 10 the inside of your -- one's mouth. 11 Q. Dry lips? 12 A. That's the most easy -- that's the easiest 13 membrane to observe. 14 Q. Would you get dry -- expect dry hair? 15 A. No, not -- 16 Q. Nothing like that? 17 A. Not that I -- well, not that's clinically 18 significant or recognized as a sign. 19 Q. Any indication she had any cracking in her 20 skin? 21 A. Any -- 22 Q. Cracking in her skin? 23 A. Tracking? 24 Q. Cracking. 25 A. Cracking.</p>

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<p style="text-align: right;">Page 117</p> <p>1 Q. You know, fingertips cracking, or dry 2 skin, people with dry skin? 3 A. Oh, I'm sorry. I thought you said 4 tracking. I misunderstood. I do not see evidence of 5 that, but -- and I would not expect that to be 6 related to dehydration. That's a separate issue than 7 dehydration. 8 Q. You said sunken eyes is kind of a benign 9 sign or symptom, if you will, but any indication she 10 had sunken eyes during the days that she was at the 11 Justice Center? 12 A. I didn't see that the nurses made any 13 comment about her eyes one way or another. 14 Q. Skin tinting. By that do you mean, what, 15 a yellowish color of the skin or -- 16 A. No. It is tent, t-e-n-t, not tint as in 17 color. 18 Q. T-i-n-t? 19 A. Right. So if I'm -- 20 Q. Tenting of the skin. 21 A. Right. So when you pull it up, your -- my 22 skin is elastic and goes back. 23 Q. I understand. 24 A. If it stays up, that is called tented 25 skin.</p>	<p style="text-align: right;">Page 119</p> <p>1 Q. So you did not see anything documented 2 that her pulse rate was elevated or increased, but 3 you're saying you don't -- you can't tell what it was 4 one way or the other over the last 24 to 29 hours? 5 A. Right. It was recorded as 75 on the 6 morning of 8/4 at 10:40, and that's the last time I 7 see that her heart rate is measured in the course of 8 this incarceration. 9 Q. That's normal; is it not? 10 A. 75 is within the normal range, yes. 11 Q. And the recorded heart rate prior to that, 12 all the recorded heart rates prior to that were all 13 normal; were they not? 14 A. I'm going to turn to that page. To the 15 best of my recollection, they were, but let me verify 16 that. Yes, during that incarceration, they were, or 17 they were recorded as being normal. 18 Q. Nothing recorded in the chart that would 19 reflect an elevated heart rate? 20 A. Nothing recorded at all in the last 29 21 hours that she was alive. 22 Q. If her vitals would have been taken the 23 morning or afternoon of the 5th of August, do you 24 know what they would have shown? 25 A. I do not know what they would have shown</p>
<p style="text-align: right;">Page 118</p> <p>1 Q. Any indication of tented skin? 2 A. I didn't see that that was checked for. 3 Q. Would there be any change in coloration of 4 someone's skin if they were withdrawing from opioids? 5 A. You would not expect so. 6 Q. Capillary refill, I think, is where you 7 press down on the skin and take your finger off, and 8 how quickly it goes from white back to pink skin 9 color? 10 A. Correct. 11 Q. Any indication of that with Martie Clark? 12 A. That is a late sign of dehydration, and I 13 think there is some descriptions about her -- her 14 skin being cold, et cetera. So that might well be a 15 description of delayed capillary refill late in the 16 course of her -- late in the course of her illness. 17 Q. Do you believe that she developed an 18 increased pulse or heart rate while she was at the 19 jail? 20 A. I believe that it is most -- that it is 21 most likely that she did. I did not see it, that 22 her -- I did not find evidence that her pulse rate 23 was measured at all past the time of the George-100 24 on 8/4. So in the last 29 hours of her death, I 25 didn't see that her pulse rate was measured at all.</p>	<p style="text-align: right;">Page 120</p> <p>1 with certainty. I believe that more likely than 2 not -- more likely than not her heart rate would have 3 been elevated at that time. 4 Q. To what level? And, again, I know this is 5 basically an opinion you're rendering, but -- 6 A. I do not -- I do not know. 7 Q. Any indication that her blood pressure was 8 significantly dropping over her time there at the 9 jail? 10 A. Her blood pressure was taken once on the 11 day of the 3rd, once on the day of the 4th, and once 12 on the morning of the 5th. So one time a day, and 13 those measurements were not -- were not decreased. 14 Q. In fact, Nurse Henke took it at 9:07 a.m. 15 on the 5th, and it was 118 over 72? 16 A. That's what was recorded. No heart rate 17 was recorded at that time. 18 Q. Is there a correlation between blood 19 pressure and heart rate? 20 A. Yes. I mean, I'm sorry, the heart rate 21 is -- you would expect it to elevate before you would 22 expect the blood pressure to decrease. So blood 23 pressure is a later sign of increasing dehydration 24 than heart rate. 25 Q. Assuming that her heart rate would have</p>

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<p style="text-align: right;">Page 121</p> <p>1 been normal at 9:07 a.m., at the time that she had a 2 normal blood pressure reading on April 5th, 2014, 3 assuming that to be true, you would admit -- 4 MR. BYRD: Did you say April 5th? 5 BY MR. HOJNOSKI: 6 Q. August 5th. August 5th, 2014, roughly 7 9:07 a.m., that if her heart rate was normal at that 8 time, which it would have been the same time that she 9 had a normal blood pressure reading, assuming those 10 two things are true, you would agree that there would 11 have been nothing by way of her vital signs to 12 suggest she was dehydrated? 13 MR. BYRD: Objection. 14 THE WITNESS: Would you read the question 15 back, please? 16 (The record was read.) 17 MR. BYRD: Note the objection. 18 THE WITNESS: I would say that if her 19 heart rate was normal at that time and her 20 blood pressure was normal at that time, those 21 would all be normal blood pressures. The most 22 likely scenario in dehydration is that the 23 vital signs would still be normal. So they're 24 fairly late findings of dehydration, and that 25 those would not have been present with that</p>	<p style="text-align: right;">Page 123</p> <p>1 multiple days. 2 Q. On the 4th, August 4th, during the 3 George-100 call, she had 97 percent saturation. 4 That's normal, right? 5 A. That is a normal oxygen saturation. 6 Q. She had a 110 over 60 blood pressure, 7 that's normal range? 8 A. That is in the normal range. 9 Q. 75 heart rate, pulse, normal? 10 A. That's what was recorded. 11 Q. 97 temperature, not outside the range of 12 normal? 13 A. That is recorded that way, that's correct. 14 Q. 16 respirations? 15 A. Those are the numbers that were recorded 16 that day. 17 Q. And so although she had some stiffness, 18 which -- and she was assessed for possible seizure, 19 correct? 20 A. That is a -- that is what they called the 21 George-100 about. 22 Q. Do you believe she had a seizure on August 23 4th? 24 A. I believe it is more likely than not that 25 she did not have a seizure on that day, but, in fact,</p>
<p style="text-align: right;">Page 122</p> <p>1 blood pressure. 2 BY MR. HOJNOSKI: 3 Q. All right. So assuming that her vitals -- 4 well, we know her blood pressure was normal at 5 roughly 9:07 a.m. on August 5th, and just assuming 6 that her heart rate continued to be normal as it had 7 been measured the prior three or four days, was there 8 any sign or symptom, that you're aware of, as of the 9 morning of August 5, 2014, to suggest that Martie 10 Clark was dehydrated? 11 MR. BYRD: Objection. Well, number one, 12 if you have in the record somewhere where her 13 blood pressure -- I mean, what her heart rate 14 was at that time, if you will show it to me, it 15 will give me a better -- I then can evaluate 16 whether it was elevated or not. And I believe 17 that she had been showing significant signs of 18 dehydration and muscle spasms for several days. 19 In fact, the day before, she had had very 20 significant signs and symptoms of dehydration. 21 BY MR. HOJNOSKI: 22 Q. What would those be? 23 A. Well, she was having muscle spasms, 24 significant muscle spasms, the day before, and she -- 25 that continued, nausea and vomiting and diarrhea, for</p>	<p style="text-align: right;">Page 124</p> <p>1 had severe muscle spasms due to electrolyte 2 abnormalities. 3 Q. So is it your opinion that her only 4 potential sign or symptom of dehydration on August 5 4th, 2014 was muscle cramping, muscle stiffness? 6 A. I'm sorry, ask it again. That was the 7 only sign of dehydration? 8 Q. Yeah. 9 A. No. Her inability to -- her inability to 10 walk, her -- we have the findings on each of the -- 11 on the assessments before that, when she's having 12 vomiting and diarrhea. The significant problems that 13 she had on the 4th indicated significant -- a 14 significant problem that needed evaluation, that she 15 had severe -- she wasn't able to stand. She had 16 muscle cramping, and an abnormal mental status on 17 that day. 18 Q. But she was able -- she was brought to 19 Dr. Everson, who evaluated her, correct? 20 A. He said that he did, yes. I mean, he -- 21 Q. Do you doubt that he did? 22 A. I don't -- I don't believe a -- I do not 23 see documentation of a thorough neurologic exam or -- 24 I saw a description that he thought that she shortly 25 after her seizure was able to move her hand away from</p>

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<p style="text-align: right;">Page 125</p> <p>1 a -- to make a voluntary movement to keep from 2 hitting her hand, and that my interpretation was 3 that -- was that he didn't think that she had had a 4 seizure.</p> <p>5 Q. Which you agree with?</p> <p>6 A. Well, I review the record in hindsight, 7 knowing what happened. And importantly on that day, 8 according to his deposition, he thought that maybe 9 she might have had a -- he thought that she might 10 have had a seizure on that day. And I believe that 11 that requires -- the potential of a new onset seizure 12 in someone that doesn't have a history of seizure 13 disorder requires that they be sent to the emergency 14 department, that's the standard of care for a new 15 onset seizure in someone who doesn't have a history 16 of seizures.</p> <p>17 Q. It's your belief that Dr. Everson thought 18 she had a seizure?</p> <p>19 A. Well, he --</p> <p>20 Q. She was brought to him with a report of 21 potential seizure activity?</p> <p>22 A. And he doubted whether she had a seizure 23 or not because he moved her hand out of the way. But 24 what he said in his deposition was, I ordered for her 25 to get Ativan in case that she had had a seizure. So</p>	<p style="text-align: right;">Page 127</p> <p>1 A. I don't recall that she was the one that 2 dispensed the detox meds on that day. I know that 3 she made that nurse's note that you're just 4 describing. I don't know that -- it might well be in 5 there that she was the one that dispensed the detox 6 meds, someone did, and I can probably tell you the 7 exact time that they gave them, but it was possibly 8 her.</p> <p>9 Q. I'll represent to you that the M-A-R, the 10 MAR, reflects that she gave the detox meds that 11 morning.</p> <p>12 A. Okay. I didn't -- I didn't see an MAR. I 13 saw only the -- well, I mean, mine is a -- I guess 14 maybe it is an MAR. It's a chronological 15 administration of medications. It's not exactly an 16 MAR, but --</p> <p>17 Q. How many times did Martie Clark receive at 18 least what NaphCare referred to as her detox 19 medication, her comfort medications?</p> <p>20 A. They were ordered three times a day for 21 seven days. They were not given but twice a day on 22 any of the days except for the third. So they were 23 on the -- they were not given at all the 1st. They 24 were given on the 2nd twice. On the 3rd, they were 25 given three times. On the 4th, they were given</p>
<p style="text-align: right;">Page 126</p> <p>1 he thought it was possible that she had had a 2 seizure, and, in fact, ordered for her to get Ativan 3 in case that she had had a seizure.</p> <p>4 Q. You also testified that he had put in a 5 verbal order to get a lab count, correct?</p> <p>6 A. I read that in his deposition. I didn't 7 see any other evidence of that, but -- I did read 8 that he said that in his deposition, but nowhere else 9 did I see that.</p> <p>10 Q. Have you ever give a verbal order for 11 labs, lab work?</p> <p>12 A. I have.</p> <p>13 Q. That's not an uncommon thing to do, is it, 14 to tell a nurse, hey, we need to get labs on her?</p> <p>15 A. That's not uncommon at all.</p> <p>16 Q. Right.</p> <p>17 A. It's incumbent upon the physician to 18 follow up on the labs. If one needs labs, you follow 19 up on the lab results.</p> <p>20 Q. Right. When Nurse Henke saw Martie Clark 21 on the morning of the 5th, she charts that she 22 encouraged her to take fluids, she gave her ice and 23 juice. She recorded her blood pressure, and she also 24 gave her her detox meds that morning; do you recall 25 that?</p>	<p style="text-align: right;">Page 128</p> <p>1 twice. And on the 5th, they were given twice. So I 2 didn't -- I wasn't counting on my fingers how many 3 times it was, but that's the number of times.</p> <p>4 Q. Ever since they were ordered, once that 5 order was put in, she got the meds at least twice a 6 day, correct?</p> <p>7 A. They had been ordered three times a day, 8 and they didn't -- she didn't receive them as they 9 had been ordered, but she did receive them two times 10 a day.</p> <p>11 Q. Are you aware of any indication that she 12 had trouble keeping those meds down?</p> <p>13 A. I am not aware of any description in the 14 chart one way or another. I would expect that she 15 would have had trouble keeping those meds down, but I 16 didn't see a notation in the record one way or 17 another.</p> <p>18 Q. You would have expected her to be given 19 some water with those pills each time?</p> <p>20 A. That's the typical way one administers 21 meds.</p> <p>22 Q. And when your nurses give med pass to 23 inmates, are they also talking to them usually and at 24 least getting their eyes on them?</p> <p>25 A. Nurses typically interact with the</p>



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<p style="text-align: right;">Page 129</p> <p>1 patients to give them their medications, yes, and 2 record. 3 (Mr. Barbieri exits the room.) 4 BY MR. HOJNOSKI: 5 Q. The meds that, for the record, that were 6 ordered and that Martie Clark received multiple 7 times, she received acetaminophen -- 8 A. Correct. 9 Q. -- for general -- for pain? 10 A. Correct. 11 Q. She received -- I'm not going to pronounce 12 these correctly, so correct me -- promethazine? 13 A. Promethazine. 14 Q. Promethazine. 15 A. It will make it easier if you call it 16 Phenergan. 17 Q. Phenergan. 18 A. Phenergan is the brand name. 19 Q. For nausea? 20 A. Correct. 21 Q. Dicyclomine? 22 A. Dicyclomine. 23 Q. Dicyclomine. 24 A. Bentyl, for stomach cramps. 25 Q. And loperamide?</p>	<p style="text-align: right;">Page 131</p> <p>1 I mean, we -- 2 Q. Blood pressure or something specific? 3 A. Three times a day, that's right. 4 Q. Antiseizure medications or something? 5 A. That's right. 6 Q. Do you recall Jackie Henke's testimony in 7 terms of her interaction with Martie Clark the 8 morning of August 5th, other than what's charted? 9 A. I do generally. I mean, if you direct me 10 to it, I can refresh my memory, but I generally 11 recall her testimony. 12 Q. I'll represent to you that Jackie Henke 13 testified that she talked to Martie Clark that 14 morning when she gave her meds, that she encouraged 15 her to continue taking fluids. That Martie said she 16 was feeling better. That she ate a sandwich. That 17 she wasn't vomiting anymore, and that she was having 18 just a little bit of diarrhea still. 19 A. I certainly didn't see anything like that 20 in the medical record, and I don't recall seeing that 21 in the -- in the investigative report that -- in her 22 statements near the time. I do recall -- I don't 23 recall that it said all of that that you just said in 24 the investigative statement. I recall -- 25 Q. What do you recall her telling</p>
<p style="text-align: right;">Page 130</p> <p>1 A. There you go. Imodium, for diarrhea. 2 Q. Any criticism, objection, or comment on 3 that combination of medications that she was ordered? 4 A. My main criticism about that is that there 5 was no ongoing assessment to see whether her -- 6 whether those medicines were helping or not helping, 7 how severe her withdrawal symptoms were, and how 8 severe her dehydration was becoming. So there was no 9 assessment of the effectiveness or lack of 10 effectiveness or no documentation about -- that she 11 even tolerated those medications. 12 So the medications in and of themselves, I 13 don't have criticisms about. They were not 14 administered as directed by the doctor, and there was 15 no ongoing assessment of her severity of her 16 symptoms. 17 Q. How many times are meds passed to inmates 18 at your facility? 19 A. There are two main med passes. Medicines 20 are given three times a day. There are two main med 21 passes, with an additional medicine. We will give 22 medicines however many times a day is required, 23 but -- 24 Q. But the normal is morning and evening? 25 A. With a noontime med pass that's limited.</p>	<p style="text-align: right;">Page 132</p> <p>1 investigators in very close proximity to this event 2 in terms of her interaction with Martie Clark that 3 morning? 4 A. That she had seen her once before, at 5 10:00 that morning, and that, in summary, or in 6 short, that she thought she was all right. 7 Q. Doing better? 8 A. I'm not going to stay doing better. I 9 don't recall -- that is a -- that may be so, but I 10 recall that she was doing okay that morning at 10:00. 11 What I -- what I also recall in there is that there 12 was not a complete set of vital signs taken. So 13 there was not a pulse taken. 14 There was no drug -- there was no drug 15 withdrawal assessment done, no kind of -- no type of 16 assessment to the monitoring to -- at all done, or no 17 structure, no withdrawal check. It seems that the 18 withdrawal checks stopped when she came to medical 19 observation. In other words, she had gotten -- she 20 had gotten some amount of withdrawal observation on 21 the floor, but that she didn't get that at all and 22 had very limited interaction once she came to the 23 medical unit. 24 Q. Well, isn't the truth she had more 25 interaction? She's in the medical unit, and eyes are</p>



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<p style="text-align: right;">Page 133</p> <p>1 on her on a much more regular basis?</p> <p>2 MR. BYRD: I'm going to object. Go ahead.</p> <p>3 THE WITNESS: It looked the opposite to</p> <p>4 me.</p> <p>5 BY MR. HOJNOSKI:</p> <p>6 Q. From the chart?</p> <p>7 A. It looked the opposite to me. She had</p> <p>8 less vital signs taken. She had less nursing</p> <p>9 assessments done. It looked like less involvement.</p> <p>10 Q. What is -- if I were to get my hands on</p> <p>11 the protocols at the Lafayette Detention Facility in</p> <p>12 terms of the procedure for how often vitals are to be</p> <p>13 taken of any inmate who is withdrawing from opiates,</p> <p>14 what would those protocols say?</p> <p>15 A. I don't know -- I don't believe that they</p> <p>16 are included.</p> <p>17 Q. Don't exist?</p> <p>18 A. That the amount, the frequency of</p> <p>19 withdrawals, is not included in that. It's a</p> <p>20 medications -- what I have is medications,</p> <p>21 symptomatic medications.</p> <p>22 Q. But you're here to say that the NaphCare</p> <p>23 staff aren't taking vitals regularly enough. What's</p> <p>24 your protocol? Your facility isn't even staffed</p> <p>25 hours a day.</p>	<p style="text-align: right;">Page 135</p> <p>1 Q. Is that clinical judgment?</p> <p>2 A. Yes.</p> <p>3 Q. And part of -- I mean, we're talking about</p> <p>4 vitals in terms of hard data, but isn't part of</p> <p>5 assessing ones vitals talking to them? Are you warm?</p> <p>6 Do you feel warm? Are you sweating? Do you have</p> <p>7 chills? Is your heart rate up? I mean, you could --</p> <p>8 everybody can sense things in their body, can they</p> <p>9 not?</p> <p>10 A. Certainly nursing assessments are a very</p> <p>11 important part of taking care of patients,</p> <p>12 absolutely, uh-huh.</p> <p>13 Q. So if someone is really sick at your jail,</p> <p>14 how do -- what level or how regularly are they</p> <p>15 getting assessed?</p> <p>16 A. That entirely depends on the condition and</p> <p>17 where they're housed, et cetera, that there's not --</p> <p>18 I can't give you a specific answer as to -- depends</p> <p>19 on what condition they have, like, as I told you</p> <p>20 before, what medications they're receiving, whether</p> <p>21 they've been given buprenorphine. So it all depends.</p> <p>22 Q. Are you aware of any national standards</p> <p>23 that suggest how often someone's vitals should be</p> <p>24 checked by a nurse when they're withdrawing from</p> <p>25 opioids?</p>
<p style="text-align: right;">Page 134</p> <p>1 A. That's correct.</p> <p>2 Q. So how often are people getting vitals?</p> <p>3 MR. BYRD: What, are you talking about</p> <p>4 generally or --</p> <p>5 MR. HOJNOSKI: People withdrawing.</p> <p>6 THE WITNESS: At my facility, I don't have</p> <p>7 a specific requirement of the times that people</p> <p>8 have to take vital signs. And one of the</p> <p>9 reasons that I don't is that I use</p> <p>10 buprenorphine, which eliminates most all the</p> <p>11 withdrawal symptoms.</p> <p>12 So I have relatively few -- people have</p> <p>13 relatively mild -- very mild symptoms from</p> <p>14 opiate withdrawal, because they're being</p> <p>15 treated with buprenorphine after the first day.</p> <p>16 So our main concern is to see that they're in</p> <p>17 enough withdrawal to start the buprenorphine,</p> <p>18 and that eliminates the withdrawal symptoms.</p> <p>19 BY MR. HOJNOSKI:</p> <p>20 Q. What if someone is sick, have the stomach</p> <p>21 flu or diarrhea or vomiting, how often are their</p> <p>22 vitals checked at your facility?</p> <p>23 A. It depends upon the particular order of --</p> <p>24 I don't have a particular -- I don't have that detail</p> <p>25 of standing order of protocols.</p>	<p style="text-align: right;">Page 136</p> <p>1 A. Let me see if -- let me review NaphCare</p> <p>2 standards and -- I mean, policy, and see if they have</p> <p>3 a particular time frame. I thought I had seen -- I</p> <p>4 thought that I had seen that NaphCare had in their</p> <p>5 policy that it was -- they were to be checked twice a</p> <p>6 day. I don't see that in this policy, and perhaps</p> <p>7 that was something that I got from another -- I</p> <p>8 thought that NaphCare -- and I think that would be</p> <p>9 reasonable, twice a day would be reasonable.</p> <p>10 Q. More than probably the inmates that your</p> <p>11 facility would get, correct?</p> <p>12 A. Not necessarily.</p> <p>13 Q. Do you know NaphCare as a corporation?</p> <p>14 Have you dealt with them in the past, other cases?</p> <p>15 A. I have not.</p> <p>16 Q. Okay.</p> <p>17 A. I mean, I have heard -- so I do know</p> <p>18 NaphCare. I guess I should say, yes, I do know</p> <p>19 NaphCare.</p> <p>20 Q. You know of them as a correctional</p> <p>21 provider?</p> <p>22 A. That's right. I believe they're based in</p> <p>23 Birmingham, Alabama, I believe.</p> <p>24 Q. The policy that I think you just took a</p> <p>25 moment to review is the NaphCare -- is it labeled</p>

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<p style="text-align: right;">Page 137</p> <p>1 the -- I forget the title of it -- the intoxication 2 withdrawal and detoxification policy? 3 A. That's right. 4 Q. Do you have any objection to that written 5 policy? 6 A. I don't necessarily have an objection to 7 the policy. It says in number 11, all initial and 8 ongoing assessments will be documented on the 9 detoxification flow sheet. I didn't find that. And 10 then it says what assessments may include, and it has 11 then the assessment tools. I didn't see that any of 12 those assessment tools were used in this case, and -- 13 but the policy itself, no, I didn't have a problem 14 with. 15 Q. Do you or your staff ever render any type 16 of medical care or treatment, including assessments, 17 that's not documented? 18 A. I am certain that each -- every provider, 19 every provider, provides some amount of care that is 20 not documented. 21 Q. And there's -- I mean, a lot of it's 22 verbal communication. You're on your phone with your 23 nurse practitioner or your nurse or a correctional 24 employee, and you're discussing patients or inmates, 25 you're talking to inmates when you see them, I mean,</p>	<p style="text-align: right;">Page 139</p> <p>1 In other words, I don't believe that there 2 are additional, unless -- you could correct me if I'm 3 wrong, but I don't believe that there were detox 4 assessments done when there were not detox 5 assessments recorded. I don't believe that in this 6 particular case. 7 You're -- so you're -- so as a for 8 instance, I don't believe that one can assume that 9 additional sets of vital signs were taken, more than 10 what has been recorded in the chart or the additional 11 detox assessments. I don't believe that it is -- I 12 would not presume that they occurred, but as a -- 13 your question was different. It's as a general rule, 14 does -- do I subscribe to the theory that if it 15 wasn't recorded, it wasn't done? And, no, as a 16 general rule, I don't. 17 Q. But, for example, in this case, I mean, 18 and I think you've already acknowledged this -- 19 acknowledged this, that each time that Martie Clark 20 is receiving her medications, her four medications, 21 that a nurse is having some interaction with her, 22 handing her the pills, giving her a cup of water, 23 likely talking to her? 24 A. The person who was dispensing the 25 medications --</p>
<p style="text-align: right;">Page 138</p> <p>1 you're not always right there at a computer or have a 2 pen in your hand, right? 3 A. Documentation is a very important part of 4 delivering medical care -- 5 Q. No doubt. 6 A. -- for -- one of the main reasons, to 7 document what one did so that people can later go 8 back and look at the care that you delivered. If 9 it's not documented, then it makes -- it makes it 10 much more difficult to determine what care was 11 actually delivered. 12 Q. But you don't subscribe to the belief, I 13 assume, that because something is not in his chart, 14 because there aren't vitals recorded on a particular 15 day, does not mean that they were not done? You'd 16 like to see it, and I understand that, but -- 17 A. So as a general statement, if you're 18 asking me, do I -- I heard a general statement, do I 19 subscribe to that? And, no, I don't believe that 20 just because something is not written it is not done. 21 However, in this case, as a for instance, there is no 22 detox -- there is no withdrawal assessments done, and 23 I believe that they weren't -- I mean, I believe that 24 they were done to the extent and documented to the 25 extent that they are in the chart.</p>	<p style="text-align: right;">Page 140</p> <p>1 Q. Yes. 2 A. -- you said the nurse, and you may know 3 that only nurses, you know, do medicine pass. Some 4 places have pharmacy techs or med techs or somebody 5 else, or even correctional officers dispensing meds. 6 So I don't know for 100 percent -- I don't know for 7 100 percent certain it was nurses, but someone passed 8 her the medications twice a day and had interaction 9 with her, yes. 10 Q. In fact, we know that Robin Brown passed 11 her her meds at 1:50 p.m. on August 5th and likely 12 interacted with her? 13 A. That is recorded as the last time she was 14 administered medications. And we have no record 15 about did she take them, was she able to -- was she 16 able to swallow them, there's no documentation about 17 that. 18 Q. Was there any treatment that was rendered 19 to Martie Clark that you thought should not have been 20 rendered? 21 A. On the 4th, I believe, the treatment of 22 moving her to the medical unit for observation should 23 not have been done. I believe she should have been 24 sent to an emergency department on that day. 25 Q. Because of suspected seizure?</p>

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<p style="text-align: right;">Page 141</p> <p>1 A. Well, but for that -- that would be a 2 reason, or if not suspected seizure, then severe 3 muscle spasms and muscle cramps and the possibility 4 of electrolyte abnormalities developing in the phase 5 of a significant opiate withdrawal. Either one of 6 them would be serious enough to have sent her to the 7 hospital on that day. 8 Q. So it's your opinion the standing alone 9 muscle cramping and stiffness is a sufficient reason 10 to send an inmate out of the facility to an emergency 11 room? 12 A. What's described there is something 13 different. What -- I would describe it as muscle 14 spasms. So I believe that what she was -- what was 15 being described is something different than muscle 16 cramping. Her actions or her symptoms at that time 17 is something different than muscle cramping. 18 Q. And is that your opinion, because you're 19 reviewing this case in hindsight, knowing that she 20 passed away the next day? 21 A. Well, certainly I have reviewed the case 22 in hindsight, that is -- that is how I review cases, 23 but I believe that the symptoms she was presenting on 24 that day indicate that she was having significant 25 withdrawal symptoms, followed by muscle spasms, which</p>	<p style="text-align: right;">Page 143</p> <p>1 ambulance and that emergency room treatment? 2 A. In my situation? 3 Q. Yes. 4 A. The county. 5 Q. The county. 6 A. Well, or possibly the U.S. Marshals 7 Service, it depends on who the detainee belongs to. 8 Q. The decision whether or not to send Martie 9 Clark to the hospital on August 4th of 2014, that -- 10 would you agree that that was within the clinical 11 judgment of Dr. Everson? 12 A. I agree that he made the decision not to 13 send her out, yes, I certainly would. I mean, he 14 made -- 15 Q. As part of his clinical assessment? 16 A. He made that decision, yes. 17 Q. And are you saying that's below the 18 standard of care? 19 A. Yes. 20 Q. Medical practice? 21 A. Yes. 22 Q. So when we compare and contrast that 23 opinion you've just given to the opinions you've 24 rendered in these other cases as a defense expert 25 where there was issues about sending individuals to</p>
<p style="text-align: right;">Page 142</p> <p>1 a prudent physician would have recognized could be 2 due to electrolyte abnormalities, and -- and 3 warranted the checking of her electrolytes, 4 specifically her potassium. And Dr. Everson, in 5 fact, in his deposition says that he wanted to do 6 that. 7 Q. Do you have a policy or protocol at your 8 facility of when an inmate is to be sent out to the 9 hospital, or is it clinical judgment, case by case? 10 A. It is clinical judgment, case by case. 11 The correctional officers, the nurse, and me all have 12 the authority to -- and the nurse practitioner all 13 have the authority to send the patient out to the 14 hospital if they -- so we all have authority to. 15 Q. And is -- what's the economic 16 consideration, if any, that you -- is there any 17 economic consideration to making that decision at 18 your facility? If you sent everybody out, I mean, 19 would that cause a problem? 20 A. Yeah, I was going to say, not directly 21 to -- I mean, in other words, I no longer am directly 22 responsible for care. I'm an employee of the county, 23 but that would become a problem if I overutilized 24 services, yes. 25 Q. Because who pays for that transport by</p>	<p style="text-align: right;">Page 144</p> <p>1 the hospital or not, you think that opinion stacks 2 up? 3 A. Yes. I believe that -- I believe in this 4 case that the new onset of a seizure or the belief 5 that a person had a new onset of a seizure 6 mandated -- the standard of care mandates that she be 7 sent to the -- to the hospital for evaluation, 8 because you don't have the facilities in which to do 9 the -- do the evaluation for new onset seizure in 10 that -- my jail or in the Hamilton County Justice 11 Center. And so I believe that it appeared clinically 12 that it was a new onset seizure, and Dr. Everson 13 himself recognized that it was the potential of a new 14 onset seizure by ordering a dose of Ativan, which is 15 not used for opiate withdrawal but is used for 16 seizures, and he failed to send her to the hospital. 17 Q. Assume for the sake of argument that she 18 went to the UC Emergency Room, University of 19 Cincinnati Emergency Room, sometime during the 20 afternoon of August 4th. She was assessed at the 21 emergency room, and discharged back to the Justice 22 Center. 23 Is there anything after that point in 24 time -- let's say she came back that evening 25 sometime. Was there anything going forward over the</p>

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<p style="text-align: right;">Page 145</p> <p>1 next 24 hours that would have caused any medical 2 staff or individual at the jail to send her to the 3 hospital before her event at the end? 4 A. Well, had she gone to the hospital, I 5 believe they would have done electrolytes and would 6 have determined that she had severe electrolyte 7 abnormalities. They would have replaced them and 8 would have likely sent her back with therapeutic 9 interventions to replace her electrolytes. So you're 10 saying if -- you're asking me to presume that they 11 had done -- they had replaced her electrolytes and 12 they had then sent her back, is that what you're 13 asking? 14 Q. Well, is it your opinion that UC Hospital 15 would have admitted her? 16 A. It is my opinion that they would have at 17 least treated her -- that she had significant 18 electrolyte abnormalities at that time, and that they 19 would, more likely than not, have detected those and 20 would have treated those electrolyte abnormalities. 21 Q. And, again, you base that solely on the 22 muscle cramping? 23 A. And the severe opiate withdrawal symptoms 24 that she has had for a number of days. 25 Q. Even though the next morning, when she</p>	<p style="text-align: right;">Page 147</p> <p>1 actually basically not filled out by a person. 2 I believe her name is Leticia Smith, yeah. 3 Her withdrawal assessment forms basically aren't even 4 filled out. So I don't believe they were done in 5 accordance with the NaphCare policy in place at the 6 time that they be done each shift. So that would be 7 one thing that I would say that should have been 8 done. 9 In addition to that, she should have been 10 provided the symptomatic medications as prescribed 11 three times a day, with some documentation about 12 their effectiveness or her ability to even swallow 13 them. There's no -- none of that done. 14 There should have been some type of 15 assessment, some type of clinical assessment to 16 assess the severity of her withdrawal symptoms, which 17 was not done in this case. COWS is an example of 18 that, but it's not the only one, and, in fact, 19 just -- just listing of symptoms could be 20 satisfactory. We have those. 21 We talked about that I believe she should 22 have been sent to the hospital at the time of the 23 emergency condition that she had on 8/4. And then as 24 I say on page 14 in number K, when she comes to the 25 medical unit, she appears to have less frequent</p>
<p style="text-align: right;">Page 146</p> <p>1 talks to Nurse Henke, says she's feeling better, no 2 more vomiting, she's taking fluids, eating a 3 sandwich? 4 A. I recall -- I don't recall Nurse 5 Henke's investigative interview or even her 6 deposition to be that, but more along the lines of 7 that she was lying in bed, and perhaps she didn't 8 even see her sit up. So I didn't -- I don't read 9 that -- my interpretation of Nurse Henke's 10 interaction with her at 10:00 a.m. was not 11 necessarily as you describe. 12 Q. Any other treatment that you believe or 13 decisions that should have been made that were not 14 made by the NaphCare medical staff? 15 A. Let me turn to my report. So, yes, I 16 believe that they should have implemented regular 17 assessment protocols for her for the entire time that 18 she was there. So I believe that they should have 19 done adequate assessments during the time that she 20 was there. 21 I believe their policy was that it was 22 done twice a day. The -- in the descriptions that I 23 have of each of the things, they were done once a 24 day, and then the -- and one or more of them, a 25 couple of them, even though the form is there, it's</p>	<p style="text-align: right;">Page 148</p> <p>1 assessments, not more. She doesn't have her -- she 2 does not ever receive any lab test. She doesn't ever 3 receive -- I didn't see evidence that she ever 4 received the Ativan, which Dr. Everson gave her, and 5 I believe that her clinical condition was 6 deteriorating. 7 My interpretation of the -- Nurse Henke's 8 report was that at the very least, she was -- 9 appeared clinically worse that day, wasn't able to 10 sit up, and should have been taking some type of 11 more -- more aggressive treatment and/or more 12 aggressive monitoring of her. In fact, less was 13 done. 14 And then, most significantly, when the CO 15 found her about an hour before she died, I think that 16 Nurse Henke should not have said, there's nothing I 17 can do, but should have, in fact, gone to assess her 18 and -- and would have found her in extremis at that 19 point, and would have sent her to the hospital. 20 Those are the main things that I can think of. 21 Q. What is the average number of -- or 22 average amount of time that it takes you to get a lab 23 value done on an inmate at your facility in Lafayette 24 County? 25 A. In our facility, we have courier pickup --</p>



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<p style="text-align: right;">Page 149</p> <p>1 courier pickup in the evening, and the labs are done 2 overnight. So they are actually turned out 3 overnight, approximately mid -- I'm not sure exactly 4 what time, 4:00 in the morning, each morning. 5 Q. What is the name of the lab that you use? 6 A. AEL, American Esoteric Laboratories, AEL. 7 Q. Where is that located? 8 A. I think it's a nationwide company. 9 Q. So if we make contact with AEL in Oxford, 10 Mississippi, they're going to tell us that they can 11 always turn around labs for the Lafayette County 12 Detention Center in less than 24 hours; is that your 13 testimony? 14 A. Well, first of all, I need to probably 15 clarify that. There are certain tests that they 16 don't perform each day. So there -- I mean, there 17 are tests that -- some tests they can turn around -- 18 so they have a courier that picks up in Oxford at not 19 just the jail, but in multiple facilities. 20 They courier the specimens to a central 21 laboratory somewhere in the Mid-South, I don't know 22 exactly where it is, and they batch run those tests 23 overnight in general, but -- they don't provide any 24 guarantee about -- that they will be turned out 25 overnight or whatever, but in general, yes, they're</p>	<p style="text-align: right;">Page 151</p> <p>1 situation, but the standard of care could be that if 2 you weren't going to send the person to the hospital, 3 you would need to arrange for stat lab work and a 4 special courier to come get it, and you might expect 5 it to be back in four hours. 6 I'm not saying that -- I'm saying that 7 could be the standard of care in a given situation. 8 So it would all depend on the clinical situation. 9 Q. Assume that Martie Clark was not severely 10 dehydrated on August -- the morning of August 5, 11 2014, assume that's true. What do you believe that 12 she died from? 13 MR. BYRD: Objection. 14 BY MR. HOJNOSKI: 15 Q. If you have an opinion. 16 A. Well, you're asking me an impossible -- so 17 you're asking me to presume that what I -- that what 18 I believe to be the cause of her death didn't occur. 19 So I can't give you an answer to that hypothetical I 20 don't think. 21 Q. Assuming that Martie Clark died as a 22 result of a sudden cardiac death due to years of 23 chronic heroin use seen on the pathology slides that 24 Dr. Balko evaluated, assuming that's true, would you 25 agree that that condition of her heart was not</p>
<p style="text-align: right;">Page 150</p> <p>1 couriered there and done overnight. 2 Q. If you gave a verbal order for a complete 3 lab count, metabolic panel -- 4 A. Right. 5 Q. -- and you didn't get that lab result back 6 in 24 hours, would you believe that that's below the 7 standard of care for you? 8 A. First of all, it would all depend on the 9 clinical situation about whether you were waiting on 10 that to make a -- make a determination. So it well 11 could be. 12 On the other hand, there are, as a for 13 instance, other tests which are more routine in 14 nature, HIV screenings that are done, and so we 15 wouldn't expect those to be turned around anytime. 16 So it all depends on the clinical nature of whether 17 you're -- whether one is going to use that 18 information for clinical information. 19 So certainly had I been concerned about 20 somebody having dehydration and sent -- I mean, sent 21 off lab tests in lieu of sending a person to a 22 hospital, yes, I might have even tried to have a stat 23 courier pick it up and -- I'm not saying that's -- 24 you haven't given me enough information to say what 25 the standard of care would be in a particular</p>	<p style="text-align: right;">Page 152</p> <p>1 reasonably foreseeable or known to any of the 2 providers? 3 MR. BYRD: Objection. 4 THE WITNESS: I'm not an expert in cardiac 5 pathology and don't have an opinion about that. 6 BY MR. HOJNOSKI: 7 Q. But if she died for the precise reason 8 that Dr. Balko says she died, due to her heart 9 condition, not due to any electrolyte abnormalities 10 or dehydration levels or hydration levels, do you 11 have any reason to believe that that condition should 12 have been diagnosed or treated by anyone at the 13 Hamilton County Justice Center? 14 A. I believe I understood the question to be 15 that presuming that she died of a heart arrhythmia. 16 If she did die of a heart arrhythmia, I believe it 17 would have been due to electrolyte abnormalities, 18 which should have been detected at the Hamilton 19 County Justice Center. 20 Q. Do you believe she died from a cardiac 21 arrhythmia? 22 A. I'm -- I'm not -- I am not an expert 23 necessarily in that. I believe that almost everyone 24 dies -- their hearts -- everyone's heart stops from 25 something, which normally involves some type of</p>



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<p style="text-align: right;">Page 153</p> <p>1 arrhythmia in order for that to occur, 2 bradyarrhythmia, ventricular fibrillation. 3 I don't know -- I mean, that almost -- 4 everyone dies at the last moment -- at the last 5 moment of some arrhythmic death. I mean, some -- 6 their heart stops, which is an arrhythmic -- which is 7 a lack of a heart rhythm. That is, by definition, of 8 arrhythmia. 9 Now, the series that led up to that can be 10 different in different cases, lack of -- lack of, you 11 know, blood, they have no blood in their system. 12 They have a gunshot wound. I mean, do you follow 13 what I'm saying? 14 Q. I follow what you're saying, yeah. 15 A. But, now, about the specific cause of her 16 arrhythmia, it is my belief that if she died of an 17 arrhythmia, it would have been due to an electrolyte 18 abnormality, the same electrolyte abnormalities that 19 were causing her muscle spasms the day before. 20 Q. And the same abnormality that did not 21 result in any change in her blood pressure the 22 morning of August 5, right? 23 A. That's a question? 24 Q. Yeah. I mean, you're saying she had an 25 electrolyte abnormality on the morning of August 5th</p>	<p style="text-align: right;">Page 155</p> <p>1 5th? 2 Q. Yeah. 3 A. So it is my opinion that on the morning of 4 the 4th, she had both dehydration, and she likely, 5 more likely than not, had muscle spasms due to an 6 electrolyte abnormality on the morning of the 5th -- 7 I mean, I'm sorry, I'm sorry, on the morning of the 8 4th. I do not see any evidence in the record that 9 she received any treatment for that. Therefore, I 10 would believe that, more likely than not, she still 11 had that condition on the morning of the 5th, and 12 likely worse. That's the long answer to your 13 question about the 5th. 14 Q. And I'm just trying to understand how it 15 is that she was dehydrated at a minimum on the 4th 16 and the 5th, according to you, but yet she had 17 completely normal vitals on the 4th and a normal 18 blood pressure the morning of the 5th. 19 A. I've -- I've said several times that 20 changes in vital signs, pulse and blood pressure, are 21 late -- very late findings. 22 Q. So the finding is so late that that 23 finding would come post-death? I mean, we know that 24 she dies within how many hours of this normal blood 25 pressure reading at 9:00 a.m. on the 5th?</p>
<p style="text-align: right;">Page 154</p> <p>1 and even prior to that, right? So why was her blood 2 pressure normal? 3 A. Electrolyte abnormalities don't affect 4 your blood -- don't affect blood pressure or heart 5 rate. 6 Q. You told me a sign of dehydration is a 7 lower blood pressure, correct? 8 A. That's right. You were asking me about 9 electrolyte abnormalities. 10 Q. So one can be dehydrated but have normal 11 electrolytes? 12 A. Those usually go hand in hand. 13 Q. Right. Is a sign and symptom of 14 electrolyte abnormality a decreased blood pressure? 15 A. No. It is a sign and symptom. I mean, 16 decreased blood pressure is a sign and symptom of 17 dehydration. 18 Q. But not a sign and symptom or symptom of 19 electrolyte abnormality? 20 A. That's right. 21 Q. Is it your opinion that Martie Clark had 22 an electrolyte abnormality on the morning of the 5th, 23 or she was dehydrated, or both? 24 A. Well, it is my opinion on the morning of 25 the 4th when she had -- you said the morning of the</p>	<p style="text-align: right;">Page 156</p> <p>1 A. You have single -- you have single 2 measurements of blood pressure. We don't know what 3 position those are in. So as a for instance, if one 4 is trying to detect dehydration, it's normal that one 5 would take what is called orthostatic vital signs, 6 because quite often the pulse and blood pressure are 7 normal when a dehydrated person is lying flat. 8 When they stand up, the blood pressure 9 will go down, the heart rate will go up. Those are 10 called orthostatic vital signs. And so a single 11 normal reading, while we don't know what position the 12 person is in, gives us little indication about their 13 hydration status is my point. 14 Q. Who -- there's a lot of people named as 15 defendants in this case. Do you know all the 16 defendants that are named? 17 A. No. 18 Q. Do you know why the plaintiff decided to 19 name Dr. James Coulter as a defendant? 20 A. I do not. 21 Q. Do you have any opinions against 22 Dr. Coulter? 23 A. I do not. 24 Q. Do you know who Dr. Coulter is? 25 A. If he would -- the only opinion that I</p>

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<p style="text-align: right;">Page 157</p> <p>1 would have is if he were the person who was 2 responsible for insuring that NaphCare employees 3 followed their policies and procedures on 4 intoxication and withdrawal, then he failed to ensure 5 that they followed their policies. 6 Q. You're guessing. You don't know who it 7 is, do you? 8 A. No. What I'm saying is, though, the 9 medical director of the facility -- 10 Q. Was Dr. Everson. 11 A. Okay. I'm fine with that. I didn't know 12 that for certain. I understood that -- I understood 13 that he said that was his title. I didn't know if, 14 per chance, he was really not the medical director 15 and there was a separate medical director. 16 Q. Do you have any opinions against Dr. James 17 Coulter? 18 A. Not that I'm aware. 19 Q. Any opinions against Dr. Leland Johansen? 20 A. To the best of my knowledge, that was the 21 psychiatrist that worked there, and I don't believe 22 that he was either asked to or ever did evaluate 23 Ms. Clark, or that she had a psychiatric condition 24 that would have warranted assessing -- I mean, 25 consulting him.</p>	<p style="text-align: right;">Page 159</p> <p>1 what it is from you. 2 A. I understand. 3 Q. Is that fair? 4 A. It is. 5 Q. If you were named as a party, you'd want 6 that; would you not? 7 A. I understand. I understand, and I was 8 doing my best to give you that opinion that if -- I 9 do not have information that that nurse was on duty 10 and failed to do the assessments, but someone -- that 11 may be in the record, that I am not aware of, and I 12 wouldn't know specific -- so, for instance, I would 13 not know the nurses that -- I don't know the nurse 14 that was supposed to do the assessment on the morning 15 of the 5th, the detox assessment, I don't know who 16 that nurse was. 17 And so I don't have a way of telling you, 18 it's this person, and I have an opinion that they 19 fell below -- their actions fell below the standard 20 of care. I have to give you that general thing. And 21 I don't know the name of that person or, as you just 22 said, whether it was or was not this person you just 23 mentioned. 24 Q. Just so I have a record, I just need to go 25 through the remaining individuals, and you can say I</p>
<p style="text-align: right;">Page 158</p> <p>1 Q. So no, correct? 2 A. Correct. 3 Q. And you're not a psychologist or a 4 psychiatrist, are you? 5 A. I'm not, but I render a good bit of -- a 6 good bit of mental health care in a jail. 7 Q. Nurse Tamara Hedges, any opinions against 8 Nurse Hedges? 9 A. I believe that in general, NaphCare 10 employs nurses who were to work and who were 11 scheduled to do assessments on Ms. Clark during the 12 period that she was incarcerated at the Hamilton 13 County Jail, failed to do those assessments as they 14 had been instructed and as were part of the -- 15 instructed by the policies and procedures. So to the 16 extent that she was one of those nurses that was 17 charged with doing an assessment and did not, then I 18 would have a criticism of her. 19 Q. But I don't want -- I understand this is 20 laborious, but I don't want general opinions from 21 you. I want -- if you have specific opinions against 22 these named individuals, let me know. Because if 23 not, I believe they should be dismissed from the 24 case. And if you -- if there's a reason why these 25 individuals each belong in the case, I want to know</p>	<p style="text-align: right;">Page 160</p> <p>1 don't know who they are or don't know specifically. 2 I understand what you said generally. 3 A. That's right. And so that's my general -- 4 that's my general statement, and then you can ask me 5 about people individually. 6 Q. Nurse Sharon King? 7 A. I don't recall if I -- I may have seen her 8 name as a -- as one of the people -- nurses there, 9 but I don't have any particular -- 10 Q. What I'm asking for, if you have anything 11 specific that you know of, as you sit here today, 12 that are criticisms of the standard of care or 13 opinions in terms of how these individuals caused or 14 contributed to the death of Martie Clark, I want you 15 to tell me. 16 A. And with given the caveats that I have 17 told you that I believe in general the nurses who 18 were working there, I'm talking about the nurses who 19 were assigned and who were working there and who were 20 required by the standard of care and by the NaphCare 21 policy and procedure to do assessments on Ms. Clark 22 and had failed to do that, I have -- I have that 23 general -- I don't know who those people are, and I 24 don't know how a -- I don't know how a person in 25 my -- I don't know how I would know the person's name</p>

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<p style="text-align: right;">Page 161</p> <p>1 if they were not on the -- if they are not -- they 2 didn't write a note saying that they didn't do an 3 assessment is my point. So those are all general 4 things. 5 Q. Nurse Aidreanne Roseman? 6 A. I don't know her. 7 Q. Robin Brown? 8 A. Doesn't -- doesn't ring bell. 9 Q. You mentioned a Leticia Smith earlier. Do 10 you have any opinions against Leticia Smith? 11 A. Yes. She did inadequate assessments. Her 12 assessments were inadequate. 13 Q. You understand she's not named in this 14 case? 15 A. No, I didn't understand that. 16 Q. Nurse Jackie Henke? 17 A. Yes. Nurse Henke is the nurse who, I 18 believe, was on duty that day in the medical unit and 19 when -- when Ms. Clark was in extremis most of that 20 day, and then who told the correctional officer that 21 there was nothing more she could do. 22 Q. And you believe she should have done 23 something more? 24 MR. BYRD: He has already testified to 25 that.</p>	<p style="text-align: right;">Page 163</p> <p>1 her and done a more thorough assessment than the 2 receiving assessment that was done to determine the 3 severity of her -- of her drug use, of her medical 4 condition, of her withdrawal sometime during that 5 period of time. 6 I believe this should have been done prior 7 to the morning of August the 4th. When it wasn't 8 done prior to the morning of August the 4th, I 9 believe at the very least, Dr. Everson should have 10 done a thorough assessment when she was moved to the 11 medical unit and should have documented an assessment 12 of her condition. 13 Q. Are you aware of any medical literature 14 that documents an individual who is withdrawing from 15 heroin, who succumbs -- who dies in less than four 16 days due to withdrawal symptoms? Are you aware of 17 any case reports, study, medical literature, where 18 that has happened? 19 A. It is not normal -- it is not normal for 20 people to die of heroin withdrawal. That is not -- 21 is not a frequent occurrence, and it is becoming more 22 common as the heroin epidemic is becoming more -- 23 more pronounced. And the medical literature is now 24 beginning to come out on deaths due to heroin 25 withdrawals. I have only one -- I have one article</p>
<p style="text-align: right;">Page 162</p> <p>1 BY MR. HOJNOSKI: 2 Q. What should Nurse Henke have done 3 differently? She should have gone and seen her 4 sooner, and anything else? 5 A. She should have -- some -- she should have 6 completed a detox assessment or an assessment of her 7 hydration status, her -- she should have performed a 8 clinical assessment of her earlier in the day, which 9 she failed to do. 10 Q. Dr. Everson, is there anything about 11 Dr. Everson that you haven't already mentioned in 12 terms of opinions or standard of care criticisms? 13 A. The detox orders were, according to 14 NaphCare's policies and procedures, to be put into 15 place at the order of a provider, and they may have 16 mid-levels. I didn't see any names of any mid-levels 17 in this case. They -- the nurse who instituted that 18 said, discussed with Dr. Everson. I didn't see any 19 documentation of that one way or another about that 20 conversation, but I believe that Ms. Clark should 21 have been seen by a provider sometime when she was 22 incarcerated. 23 Q. Provider, you mean what? 24 A. It would have been acceptable, for 25 instance, for a nurse practitioner to have assessed</p>	<p style="text-align: right;">Page 164</p> <p>1 which lists some -- some references and which I'll be 2 glad to provide to you. 3 Q. Any other literature that supports your 4 opinions in this case? 5 A. Not that I am relying on. 6 Q. And what I'm asking for is separate from 7 this case, any other instances that you're aware of, 8 either through direct personal knowledge or through 9 the literature, where an individual is alleged to 10 have died from withdrawal symptoms from heroin in a 11 period of four days? 12 A. Specific -- I guess -- 13 Q. Any other individual in the world. 14 A. Yes, I believe there -- I mean, I'm sorry. 15 You're asking me if there's research that shows -- 16 I'm -- please ask me the question again. I'm sorry. 17 Q. Are you aware through personal knowledge 18 or through any medical literature or any other source 19 of an individual who dies within four days of 20 withdrawing from heroin, secondary to dehydration or 21 withdrawal symptoms? 22 A. I am aware of individuals dying within a 23 short period of time. I don't know whether four 24 days, five days, those are all within the same time 25 frame, but, yes, I'm aware that the literature has</p>

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<p style="text-align: right;">Page 165</p> <p>1 information about that. The specific four-day 2 cutoff, as opposed to five days or as opposed to 3 three days, I don't know that I can point you to any 4 particular literature that says when the death -- 5 when the death would occur. 6 Q. Do you mean how many days an individual 7 has to be dehydrated to die from dehydration? 8 A. I'm not aware of literature that says a 9 specific period of time, but I believe that certainly 10 a person can die within four days of stopping intake 11 of fluids, or especially because you recall that I 12 talked about that it's the losses that are probably 13 more important than the lack of taking in stuff. So 14 you can certainly -- you can certainly lose enough 15 fluids to die of dehydration within four days. 16 Q. Are you aware of any individual who died 17 secondary to dehydration, within a period of four 18 days, where they had a normal blood pressure reading 19 within 10 hours of their death and completely normal 20 vitals within 36 hours of their death? 21 A. I've reviewed -- I've reviewed other cases 22 that are very similar. 23 Q. Any that you've given opinions on? 24 A. Not that I recall at this time. 25 MR. HOJNOSKI: I'm going to take a little</p>	<p style="text-align: right;">Page 167</p> <p>1 deposition. 2 Q. Oh, that was the county nurse, I think? 3 A. Yes. 4 Q. I think they retained a nurse, right? 5 A. Yes. 6 Q. You just handed me an article which I 7 haven't read yet, or probably won't take the time to 8 do it right now, but is this an article that you 9 found or was provided to you? It looks like it's an 10 article entitled, "Yes, people can die from opiate 11 withdrawal," in 2016, "Society for the Study of 12 Addiction." 13 A. I located that through my research. 14 Q. And it's labeled as an "Editorial"? 15 A. That's right. It has references. It's as 16 much provided for -- so there is a -- as -- I should 17 let you ask the question. 18 Q. Go ahead. 19 A. Is there a question? I mean, is there -- 20 what is your question? 21 Q. I'm just asking when you found it, how you 22 found it? Did you research it? Was it in your 23 archives? Had you read it and remembered it? 24 Another case, maybe, I don't know. 25 A. I did a Google Scholar or MedLine,</p>
<p style="text-align: right;">Page 166</p> <p>1 break and pass the buck, if you have any 2 questions now, and then we'll wrap this up. 3 MR. VOLLMAN: You know what? I do not. 4 MR. HOJNOSKI: Why don't we just take a 5 little quick break then, and we'll try to 6 resume -- or finish or whatever. 7 THE WITNESS: Okay. 8 (A recess was taken from 5:03 to 5:10.) 9 BY MR. HOJNOSKI: 10 Q. Doctor, how many hours, if you can 11 quantify it, have you spent on this case to this 12 point? Excluding your deposition today, of course. 13 A. I have -- I can't quantify that 14 specifically. I can tell you that my rate is \$500 an 15 hour, and that I was paid \$8,000. So I spent 16 16 hours on the initial review and the preparation of 17 the Rule 26 report. 18 Q. Okay. 19 A. I can tell you that I haven't calculated 20 since that time for the deposition. 21 Q. Have you done any other work from then -- 22 from your report until now, other than, I guess, your 23 prep for the depo? 24 A. I reviewed -- I reviewed an additional 25 expert report, and I did my preparation for the</p>	<p style="text-align: right;">Page 168</p> <p>1 and/or -- Google Scholar and/or MedLine review of 2 deaths from heroin overdoses in conjunction with this 3 case. I -- that is the only article that I have 4 printed out and brought with me today. I mean, I've 5 reviewed a number of other things, but I didn't think 6 they had particular applicability or were not in 7 peer-review journals, et cetera. So that's the 8 article that I brought. 9 Q. Do you know if there's a statistical 10 incidence of death from opiate withdrawal? 11 A. I do not know anything -- I do not know 12 about statistics. 13 Q. One in a million? One in a thousand? 14 A. I do not know. 15 Q. Are you aware of any studies or 16 peer-review medical literature that was in existence 17 prior to August of 2014 which indicated that death 18 can occur from opiate withdrawal? 19 A. I am in general -- I am, in general, aware 20 that people -- that people recognize that you could 21 die from complications from opiate withdrawal, such 22 as specifically from heroin. I can't point you to a 23 particular piece of literature, and, in general, it 24 was thought to be a fairly rare occurrence, which is 25 one of the reasons that it has been so important to</p>



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<p style="text-align: right;">Page 169</p> <p>1 try to pay attention to dehydration, et cetera, to 2 prevent this from happening. It has become much more 3 common. 4 I'm sorry, the point -- what I was going 5 to say is it is much more common with stronger 6 opiates, heroin, et cetera. So it's becoming a 7 bigger and bigger problem. 8 Q. Dying from withdrawal? 9 A. It is becoming more and more common, yes. 10 Q. What do you base that on, this article or 11 other sources? 12 A. No, my clinical experience. 13 Q. So have you seen it in your own clinical 14 eyes? Have you seen this happen? 15 A. I've seen -- I've seen case reports, yes. 16 Q. I want to know about those. What other 17 reports have you seen? 18 A. I don't have that -- I don't have that 19 with me today. I mean, I don't have any specific 20 cases that I'm pointing out to you. I'm just saying 21 in meetings, in addiction medicine meetings, it has 22 become the presentations. It has become more and 23 more common -- common knowledge that people can and 24 do die from opiate withdrawal. 25 Q. Have you talked to other physicians who</p>	<p style="text-align: right;">Page 171</p> <p>1 think that's a medical opinion you're asking me, I 2 don't believe. 3 Q. I'm just asking for cause-and-effect. If 4 she hadn't used heroin, she likely wouldn't have 5 withdrawn from heroin, and at least wouldn't have 6 died from withdrawal symptoms, according to your 7 opinions? 8 MR. BYRD: I'm going to object, but go 9 ahead. 10 THE WITNESS: I don't know that I can 11 answer that question. I mean, if she -- I 12 don't know that I can answer that question. So 13 if she hadn't ever used heroin, then she would 14 not have had -- she wouldn't have had opiate 15 withdrawal, and then she wouldn't have not been 16 treated adequately for opiate withdrawal. I 17 guess I'm not -- 18 BY MR. HOJNOSKI: 19 Q. So you agree with me, I think, that -- 20 A. That's a -- that's not a medical 21 conclusion. I mean, that's -- that's a statement of 22 the obvious, that if she had not had -- ever had 23 opiate withdrawal, her opiate withdrawal wouldn't 24 have been inadequately treated. So if she also -- 25 likewise, if she had been provided heroin, if she</p>
<p style="text-align: right;">Page 170</p> <p>1 have had patients die from opiate withdrawal? 2 A. I have attended seminars, presentations, 3 on that topic, but personally I have not -- I have 4 not personally interacted with the doctors who have 5 told me something about that. 6 Q. So to the extent that there's seminars or 7 reports or literature where physicians are commenting 8 on this phenomena that people can die from opiate 9 withdrawal, is it your view that all of those 10 treating doctors breached the standard of care? 11 MR. BYRD: Objection. 12 THE WITNESS: No, that's not my testimony. 13 BY MR. HOJNOSKI: 14 Q. So someone can die from opiate withdrawal 15 in the absence of a breach of the standard of care? 16 A. I certainly believe so, yes. 17 Q. Had Martie Clark not abused heroin in the 18 past, is it your opinion she wouldn't have died in 19 the Justice Center? 20 A. Ask your question again, please. 21 Q. If Martie Clark had not abused heroin in 22 the past, is it your opinion she would not have died 23 in the Justice Center on August 5, 2014? 24 A. I don't think that's -- I mean, I don't 25 think that's a medical opinion. I mean, I don't</p>	<p style="text-align: right;">Page 172</p> <p>1 would have not been in jail, she would have -- she 2 would have, more likely than not, continued using 3 heroin and would not have died. So it was the being 4 in jail, having the opiates stop suddenly, and then 5 the opiate withdrawal being inadequately treated that 6 led to her death. 7 Q. Is that what you tell patients, if you 8 just don't go to jail and continue using heroin, 9 you're likely to live a long life? 10 MR. BYRD: Objection. 11 THE WITNESS: Well, you asked me a similar 12 kind of question. If she hadn't gone to jail, 13 she probably wouldn't have stopped using 14 heroin. She probably wouldn't have developed 15 opiate withdrawal. She probably wouldn't have 16 died. That's -- that's my response to your 17 answer. 18 And, no, I don't tell people that, but I'm 19 just -- that's the -- that's the same -- I 20 mean, that's the same question you're asking me 21 about it. Had she never -- had she never 22 started using heroin, she would never have 23 become opiate dependent. 24 She would have never had opiate dependence 25 to -- for which to develop opiate withdrawal</p>



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<p style="text-align: right;">Page 173</p> <p>1 from, to come to jail to have the opiates 2 stopped, to have been inadequately treated, and 3 had dehydration and die. So that's a whole 4 long series of things that happened. 5 BY MR. HOJNOSKI: 6 Q. Do you have an opinion as to Martie 7 Clark's life expectancy had she not died on August 5, 8 2014? 9 A. I do not. 10 Q. Do you have any other opinions, Doctor, 11 that you intend to render if allowed in this 12 proceeding that you have not expressed on the record 13 to this point? 14 A. My report summarizes and is intended to be 15 a statement of my opinions, and I don't have any 16 other opinions at this time that I know of that I 17 intend to offer. If you want to ask me a particular 18 question, I might have an opinion about something 19 else, might or might not. So -- but there -- I don't 20 know of any at this time. 21 Q. Do you intend to do any additional work, 22 review any additional information, do any more 23 research, anything else that would relate to your 24 retention in this case? 25 A. Well, I don't necessarily intend to. If</p>	<p style="text-align: right;">Page 175</p> <p>1 you'll look when you -- if you look at the record, 2 but it basically is a -- that's a statement that it 3 expects you to say yes or something afterwards. Do 4 you understand what I'm saying? 5 I believe I misread the record that -- in 6 that those words are there, but I believe by there 7 being no yes or no after it, she didn't, I don't 8 believe, refer her to an advanced clinical 9 practitioner. 10 Q. Okay. 11 A. I thought so in my first reading. 12 MR. VOLLMAN: What page is this? 13 MR. HOJNOSKI: It's 4 of his report, 14 paragraph 9. 15 THE WITNESS: It's in the timeline, yes. 16 It's not an opinion. It's a timeline. 17 MR. VOLLMAN: Okay. 18 THE WITNESS: I believe I misread the 19 thing. And then in my opinions, I said 20 somewhere that Ms. Clark -- let me just find it 21 rather than -- rather than -- on page 15, 22 number 2, Ms. Clark died from severe 23 dehydration brought about by inadequately 24 treated opiate withdrawal, leading to severe 25 electrolyte abnormalities and probable</p>
<p style="text-align: right;">Page 174</p> <p>1 I'm provided additional depositions and asked to 2 review them, I might -- I will intend to fulfill my 3 duty to review additional things, and that will amend 4 my report as it might change my opinion. 5 Q. I understand. That's always the case. 6 But sometimes I'm in these type of situations and 7 someone says, well, I've been meaning to look at X, 8 Y, and Z, and I haven't got a chance to do it yet. I 9 intend to do it. And if I do, and if it changes my 10 opinions, I'll supplement my report, et cetera. But 11 as of this point, there's nothing on your to-do list 12 that you plan to do going forward? 13 A. No. This might be an appropriate time to 14 interject with what's not a question. I have two 15 minor changes to my report which I want to tell you 16 about, rather than supplementing my report later. 17 And one of -- really, one of them is not an opinion, 18 but I just believe something different now that I -- 19 just give me one second. 20 On page 4, number 9 of my report -- page 21 4, number 9, on 8/3, at 3:00 a.m., and this is 22 Michelle Clark doing a drug assessment form, I say on 23 the last line, Nurse Clark referred Ms. Clark to an 24 advanced clinical practitioner. I think I misread 25 the -- that was the last line on there, and that --</p>	<p style="text-align: right;">Page 176</p> <p>1 rhabdomyolysis. 2 That "probable" should be changed to 3 "possible," or I can't rule it out. I can't 4 say that to a reasonable degree of medical 5 certainty, that she had rhabdomyolysis. 6 BY MR. HOJNOSKI: 7 Q. And what is rhabdomyolysis? 8 A. It is a breakdown of the muscles of the 9 body. You get protein in your -- you get protein in 10 your -- 11 Q. Your kidneys? You said it earlier. 12 A. That's right. And she was found on 13 autopsy to have necrosis of some of her kidneys. The 14 pathologist said, I cannot rule out rhabdomyolysis, 15 and I would agree with the pathologist's 16 interpretation of that. I said "probable," and that 17 was a bad choice of words. 18 Because they didn't -- they didn't check 19 the urine for myoglobin, which you would need to do 20 in order to diagnose that. They didn't check it at 21 the autopsy; so I cannot say that she had probable 22 rhabdomyolysis. It is possible that she had that, or 23 I am unable to rule it out. 24 Q. A couple just additional questions based 25 on that or based on what you said.</p>

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<p style="text-align: right;">Page 177</p> <p>1 A. Okay.</p> <p>2 Q. You said -- first of all, you said a few</p> <p>3 times in your report and today that you thought that</p> <p>4 she exhibited severe symptoms of opiate withdrawal</p> <p>5 during her three or four days at the Justice Center.</p> <p>6 Is that what you believe and what you said?</p> <p>7 A. Yes.</p> <p>8 Q. Would you agree that all the assessments</p> <p>9 and records that were done reflect mild</p> <p>10 symptomatology?</p> <p>11 A. I -- no, I would not. I would not.</p> <p>12 Q. Why not? Isn't that a matter of clinical</p> <p>13 judgment, if someone has mild, moderate, or severe</p> <p>14 symptoms?</p> <p>15 A. Well, I recall at least one set of</p> <p>16 assessments saying that it was not mild. So you were</p> <p>17 saying that all of her symptoms were. I think her</p> <p>18 clinical description does not -- did not indicate</p> <p>19 mild symptoms.</p> <p>20 Q. Also, there was some lab values done</p> <p>21 postmortem. Do you have any experience in evaluating</p> <p>22 postmortem lab values as it relates to what would</p> <p>23 have been reflected in that individual prior to</p> <p>24 death?</p> <p>25 A. Yes.</p>	<p style="text-align: right;">Page 179</p> <p>1 the normal way I interpret electrolytes. The sodium</p> <p>2 is 152.</p> <p>3 Q. Yes.</p> <p>4 A. That is elevated, and it is relatively</p> <p>5 stable after death. In other words, that one does</p> <p>6 not expect a large change pre-mortem to post-mortem.</p> <p>7 So 152 indicates that she suffered from hypernatremia</p> <p>8 antemortem.</p> <p>9 Q. Anything else?</p> <p>10 A. About sodium?</p> <p>11 Q. About those values.</p> <p>12 A. Okay. So, yes, the urea nitrogen and the</p> <p>13 creatinine are both stable as well. That indicates</p> <p>14 significant dehydration, and those are stable after</p> <p>15 death as well.</p> <p>16 Q. Potassium?</p> <p>17 A. The potassium is 7.6, and the normal range</p> <p>18 in the blood is 3 1/2 to 5, that is the normal range</p> <p>19 of potassium in the blood. In the postmortem</p> <p>20 specimens, that number will be higher because of</p> <p>21 hemolysis, and so that number is higher, and I</p> <p>22 believe that pathologists use a range of up to 15 or</p> <p>23 some number like that.</p> <p>24 So it's a different number than the three</p> <p>25 to five within the antemortem blood. And one cannot</p>
<p style="text-align: right;">Page 178</p> <p>1 Q. Tell me about that.</p> <p>2 A. About my experience?</p> <p>3 Q. Yeah.</p> <p>4 A. I served for eight years as my county's</p> <p>5 medical examiner investigator. So I would rule on</p> <p>6 the cause and manner of death, including</p> <p>7 interpretation of postmortem electrolyte</p> <p>8 abnormalities in the formation of opinions about the</p> <p>9 cause and manner of death.</p> <p>10 Q. Okay.</p> <p>11 A. And I would continue to serve as a</p> <p>12 consultant to my county's medical examiner</p> <p>13 investigator.</p> <p>14 Q. And in this case, the postmortem</p> <p>15 electrolyte values or lab values, what did they show</p> <p>16 you or tell you, if anything?</p> <p>17 A. I'd turn to the toxicology report and the</p> <p>18 pathology labs. This is electrolyte determination in</p> <p>19 the fluid that is found inside the eye, the vitreous</p> <p>20 fluid, because it tends to be more stable than the</p> <p>21 blood. The blood has changes to the chemical</p> <p>22 composition after death, making it much less</p> <p>23 reliable.</p> <p>24 What one can say is that the vitreous</p> <p>25 sodium -- I'm going to start down the list, but in</p>	<p style="text-align: right;">Page 180</p> <p>1 say with certainty what that 7 -- it's not too</p> <p>2 high -- 7.6 is a lethal level of potassium, too high</p> <p>3 in an antemortem blood specimen. It does not reflect</p> <p>4 that in vitreous blood.</p> <p>5 It's -- in other words, that -- that</p> <p>6 number is not necessarily too high. It's within the</p> <p>7 normal range, but within the lower limits of the</p> <p>8 normal range, and I don't think that one can say with</p> <p>9 certainty. I believe that the sodium -- in</p> <p>10 conjunction with the sodium, there's certainly</p> <p>11 electrolyte abnormalities that existed antemortem.</p> <p>12 Q. Do you know the normal ranges at this --</p> <p>13 for this lab for these values?</p> <p>14 A. They are -- the short answer is that they</p> <p>15 didn't put their -- they didn't put their reference</p> <p>16 ranges.</p> <p>17 Q. Right.</p> <p>18 A. I believe that the -- one of the experts,</p> <p>19 I believe it might be -- one of the experts list</p> <p>20 common ranges for normals in vitreous, which I</p> <p>21 believe was more or less accurate. But specifically</p> <p>22 to this lab, although laboratories in general for</p> <p>23 blood and for vitreous, whether -- they don't vary a</p> <p>24 lot for postmortem or antemortem specimen. So as a</p> <p>25 -- what I mean by that is, there's national norms, as</p>

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<p>Page 181</p> <p>1 opposed to just laboratory -- there's national norms 2 that labs that do toxicology need to conform to, as 3 opposed to specific. 4 Q. All right. 5 A. And the chloride is also -- the chloride 6 is also abnormal. I don't recall at this moment to 7 what it's -- I don't recall at the moment what -- 8 it's -- I believe it's too elevated, indicating 9 electrolyte arrangements in general. 10 MR. HOJNOSKI: I think that's all I have. 11 Anything? Mark? No. Okay. 12 13 14 15 16 17 18 19 20 21 22 23 24 25</p> <p style="text-align: center;">_____ THOMAS FOWLKES, M.D.  _____ Date  --- DEPOSITION CONCLUDED AT 5:29 P.M. ---</p>	<p>Page 183</p> <p>1 1 DEPOSITION ERRATA SHEET 2 Our Assignment No. J1287387 3 Case Caption: ESTATE OF MARTIE CLARK, et al. 4 vs. HAMILTON COUNTY, et al. 5 DECLARATION UNDER PENALTY OF PERJURY 6 I declare under penalty of perjury 7 that I have read the entire transcript of 8 my Deposition taken in the captioned matter 9 or the same has been read to me, and 10 the same is true and accurate, save and 11 except for changes and/or corrections, if 12 any, as indicated by me on the DEPOSITION 13 ERRATA SHEET hereof, with the understanding 14 that I offer these changes as if still under 15 oath. 16 Signed on the _____ day of 17 _____, 20____. 18 _____ 19 THOMAS FOWLKES, M.D. 20 21 22 23 24 25</p>
<p>Page 182</p> <p>1 C E R T I F I C A T E 2 STATE OF OHIO : 3 : SS 4 COUNTY OF HAMILTON : 5 I, Wendy L. Raymer, RPR, CRR, the undersigned, 6 a duly qualified and commissioned notary public 7 within and for the State of Ohio, do hereby certify 8 that before the giving of his aforesaid deposition, 9 THOMAS FOWLKES, M.D. was by me first duly sworn to 10 depose the truth, the whole truth and nothing but the 11 truth; that the foregoing is the deposition given at 12 said time and place by THOMAS FOWLKES, M.D.; that 13 said deposition was taken in all respects pursuant to 14 stipulations of counsel; that I am neither a relative 15 of nor employee of any of the parties or their 16 counsel, and have no interest whatever in the result 17 of the action; that I am not, nor is the court 18 reporting firm with which I am affiliated, under a 19 contract as defined in Civil Rule 28(D). 20 IN WITNESS WHEREOF, I hereunto set my hand and 21 official seal of office at Cincinnati, Ohio, this 8th 22 day of February, 2018. 23 24 25</p> <p style="text-align: center;">_____ <i>Wendy L. Raymer</i> My commission expires: S/Wendy L. Raymer, RPR, CRR December 6, 2021. Notary Public - State of Ohio</p>	<p>Page 184</p> <p>1 2 DEPOSITION ERRATA SHEET 2 Page No. _____ Line No. _____ Change to: _____ 3 _____ 4 Reason for change: _____ 5 Page No. _____ Line No. _____ Change to: _____ 6 _____ 7 Reason for change: _____ 8 Page No. _____ Line No. _____ Change to: _____ 9 _____ 10 Reason for change: _____ 11 Page No. _____ Line No. _____ Change to: _____ 12 _____ 13 Reason for change: _____ 14 Page No. _____ Line No. _____ Change to: _____ 15 _____ 16 Reason for change: _____ 17 Page No. _____ Line No. _____ Change to: _____ 18 _____ 19 Reason for change: _____ 20 Page No. _____ Line No. _____ Change to: _____ 21 _____ 22 Reason for change: _____ 23 SIGNATURE: _____ DATE: _____ 24 THOMAS FOWLKES, M.D. 25</p>

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